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U. S. Department of Agriculture

*A. H.
Hummert
Seed Co.*

Flower and Vegetable Seeds

•
Summer Flowering Bulbs
and Supplies

*1949
Catalog*

2746-48 Chouteau Ave.
Phone GRand 0646

St. Louis 3, Mo.

A. H. HUMMERT SEED CO.

Catalog for 1949

PLEASE NOTE

USE OUR ORDER SHEET. It will be of great help to us in filling your order correctly and speedily, if you will use the Order Sheet sent you with the catalog. **Please Keep a Copy of Your Order.**

NO C.O.D. SHIPMENTS. Absolutely no plants or perishable goods will be sent C.O.D. We advise against C.O.D. orders because of delays and excessively high collection charges. Send remittance with your order. If overpaid, we will refund the difference.

POSTAGE for parcel post shipment. The prices in this catalog except on **flower seeds** are not prepaid. Include sufficient to cover postage with cash orders. Large packages or shipments of considerable weight travel more cheaply by express.

Routing. Please give explicit shipping directions with each order, giving name of freight, express and post office stations. If no directions are given, we will use our best judgment, but all goods travel at purchaser's risk.

IMPOSSIBLE TO GUARANTEE CROPS

Warranty. Although we try our best to please we cannot warrant in any way, expressed or implied, the contents or description, purity, productiveness or any matter of any seeds, bulbs or plants and we will not in any way be responsible for the crop. If the purchaser does not accept these goods on the above terms no sale is made thereof and goods must be returned at once.

Again we say for the business you have sent us we are grateful, and trust we may continue to serve you carefully and promptly.

A. H. HUMMERT.

➡ **Prices in This Catalog Are Subject to Change Without Notice** ⬅

(INDEX—See Inside Back Cover)

LAWN GRASS SEED

All our Lawn Grasses are recleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10x30 feet; 75 to 100 pounds to the acre.

ALTA FESCUE

Excellent for roadsides, athletic fields, airports etc.—quite drought resistant—deep root system—quite coarse for lawn purposes. 5 lbs., \$3.50; 25 lbs., \$16.25; 100 lbs. 58c per lb.

BENT, COLONIAL or ASTORIA (*Agrostis tenuis*)

An excellent all-around Bent for lawns, greens, parks and playing fields; grows on wide range of soils; spreads mainly by underground root stalks or rhizomes, making a deep reinforced sod. Sow about 3 lbs. to 1000 square feet. 1/2 lb., 75c; 1 lb., \$1.40; 5 lbs., \$6.50.

BENT, SEASIDE

This is the variety which was first identified in Oregon. It is a hardy creeping variety forming a close, matlike sward. 1/2 lb., 75c; 1 lb., \$1.40; 5 lbs., \$6.50.

BERMUDA

It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. 1 lb., \$1.25; 5 lbs., \$6.00.

BLUE GRASS, KENTUCKY (*Poa pratensis*)

Fancy extra recleaned. Kentucky Blue Grass is largely used for lawns and when once established, lasts indefinitely. An excellent pasture grass. Deep rooting and has an attractive color. For lawns, sow 5 lbs., per 1000 sq. ft. 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$17.50; 100-lb. bag, 67c per lb.

BLUE GRASS, KENTUCKY SUPREME BRAND

98 per cent pure. This seed is recleaned to the highest purity obtainable. 5 lbs., \$4.50; 10 lbs., \$8.75; 25 lbs., \$20.50; 100-lb. bag, 80c per lb.

BLUE GRASS, CANADIAN (*Poa compressa*)

A very hardy perennial grass with creeping rootstocks. 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$17.50.

CREEPING RED RESCUE.

A variety of Fescue; superior to Chewings. This fine-leaved grass produces a bright green turf, especially well adapted for tree shade, on account of its drought resistance. Sow 5 lbs., per 1000 sq. ft. 1 lb., 85c; 3 lbs., \$2.25; 5 lbs., \$3.50; 10 lbs., \$7.00; 25 lbs., \$16.25.

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought resistant. 3 lbs., \$2.55; 10 lbs., \$7.75; 100 lbs., \$72.00.

WHITE or DUTCH CLOVER FOR LAWNS

A low growing Clover. Very desirable for beautifying the lawn. 1 pound covers 600 square feet. 1/2 lb., 75c; 1 lb., \$1.40; 5 lbs., \$6.50.

OUR FINEST LAWN MIXTURE

VELVET LAWN SEED

The finest balanced mixture of the best Kentucky Blue Grass, Fancy Recleaned Red Top, small percentage of Rye Grass and White Clover. The best lawn mixture for this climate. 3 lbs., \$2.50; 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$17.50; 112-lb. bag, 67c per lb.

RYE GRASS

Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. 3 lbs., 65c; 5 lbs., \$1.00; 10 lbs., \$2.00; 100 lbs., \$14.00.

RYE GRASS, PERENNIAL

A hardy grass of quick growth, suitable for lawns and meadows. 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 100 lbs., \$22.00.



VEGETABLE SEEDS

Prices quoted are subject to change

One of the most profitable spring crops for the greenhouse or hotbed plant is seedling vegetable plants for home gardens. We are offering vegetable seeds only in the best standard varieties for market and home garden. Should you desire any variety not listed, please write.

ASPARAGUS

Mary Washington. (Rust-proof.) Undoubtedly the finest rust-resistant variety grown. Shoots thick; heavy yielder of fine quality. Oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

BUSH BEANS, GREEN POD

Plant seed when danger of frost is past and the soil is quite warm, in rows 18 to 30 in. apart for hand cultivation or $2\frac{1}{2}$ to 3 ft. apart for field cultivation. Make furrows about 2 in. deep and space the beans 2 to 3 in. apart in the row.

1 lb. will plant 100 ft. of row.

Bountiful Stringless. 48 days. This is the best flat-podded stringless variety. The light green pods are $6\frac{1}{2}$ to 7 inches long.

Black Valentine Stringless. A shipping and market garden variety. True strain develops a fine, long, absolutely round, stringless pod.

Stringless Green Pod. 52 days. A very desirable dwarf, round, green-podded snap Bean, largely grown for the market.

Tendergreen Stringless. 56 days. A very high quality green-podded sort, of the finest quality. Pods are perfectly round.

Large pkt., 10c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c; 10 lbs., \$4.50; 25 lbs., 38c per lb.; 100 lbs., 34c per lb.

BUSH WAX BEANS

Pencil Pod Wax. 52 days. The pods average 5 to 6 inches in length, a round-podded wax variety; they are very solid, meaty and tender.

Round Pod Kidney Wax. A leader and standard in the wax pods as a canning variety. Has supreme quality. Widely used in the home garden and recommended as adapted for freezing preservation.

Above Two Varieties:

Large pkt., 10c; $\frac{1}{2}$ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50.

BUSH LIMA BEANS

Burpee's Improved Bush Lima. 80 days. Grows 10 to 30 inches; handsome large pods.

Pkt., 10c; $\frac{1}{2}$ lb., 35c; 1 lb., 55c; 5 lbs., \$2.50.

Henderson's Bush Lima. 74 days. Produces enormous crops. Small seeded—sure to produce under any conditions. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75.

POLE BEANS

One pound will plant 200 hills.

Kentucky Wonder, Old Homestead. 65 days. Unexcelled for home and market garden.

St. Louis Perfection. 70 days. An early maturing, green-podded, white-seeded pole sort, desirable for snaps and unsurpassed in its class as green shell Beans. The pods are round.

Large pkt., 10c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c; 5 lbs., \$2.60.

POLE LIMA BEANS

King of the Garden. 84 days. One of the best pole Limas, large leaved, good climber. Pods about $4\frac{1}{2}$ to $5\frac{1}{2}$ inches long. Large pkt., 10c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c; 5 lbs., \$2.60.

SOUP BEANS

Grown mostly for dried Beans for winter use.

Great Northern or Large Navy. Splendid field Bean, excellent flavor, cooks rapidly.

White Navy. The most widely known and grown of the commercial Beans.

Red Kidney. The old-fashioned baking Bean. Rich in flavor. Many uses.

Large pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

TABLE BEETS

1 oz. to 60 ft. of row.

Sow seeds as early in the spring as the ground can be worked. For a continuous supply make repeated sowings 3 to 4 weeks apart, allowing plenty of time for the last sowing to mature before frost. Sow seed in rows $1\frac{1}{2}$ to 2 ft. apart, cover with $\frac{1}{2}$ in. of fine soil.

Early Wonder. 50 days. Earliest and best for forcing or home garden. Tops short, flesh dark red. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.40.

Detroit Dark Red Selected. 55 days. Standard for home and market garden. Uniform globe-shaped. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.40.

MANGEL BEET

Used largely for winter feeding of your stock. Sow seed in early spring in rows 2 to 3 ft. apart; cover with $\frac{1}{2}$ in. of soil.

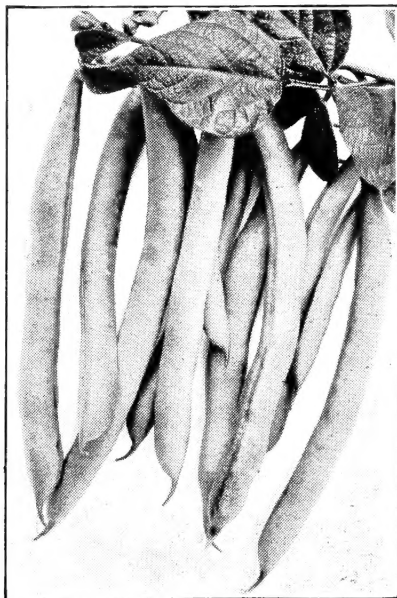
Mammoth Long Red. Oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., 95c.

BROCCOLI

Green Sprouting. (Calabrese.) 85 days. The standard variety of sprouting Broccoli for home garden, market. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

BRUSSELS SPROUTS

Long Island Improved. 120 days. Grown extensively on Long Island for the New York market. Compact plants, 20 in. tall, with solid, round, Cabbage-like sprouts measuring $1\frac{1}{4}$ to $1\frac{1}{2}$ in. in diameter. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.



Bountiful Stringless



Early Wonder Beet



Mary Washington Asparagus

CABBAGE

For earliest crop, start seed in hotbed; for medium early Cabbage, seed may be sown in a cold frame or open-ground seedbed in early spring. Sow late Cabbage for winter use in a seedbed outdoors when soil has become thoroughly warm. A packet will produce about 250 plants, an ounce about 2000 plants.

All Seasons. 80 days. Of the flat Dutch type and a first class main crop. The heads are very large and solid. $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

Copenhagen Market. (Select.) 66 days. A very choice strain. Medium-sized heads; compact, good yielder. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; 1 lb., \$4.00.

Charleston Wakefield. 70 days. Large, heart-shaped, average weight 4 to 5 lbs. For home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Early Dwarf Flat Dutch. 65 days. Heads nearly round, firm, fine flavor and high quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

Early Jersey Wakefield. Pointed heads. 62 days. Extremely early variety, very valuable for home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.



Golden Acre

Golden Acre. (Select.) 64 days. Round head, short stem. Uniform, firm, especially valuable for early market and shipping. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; 1 lb., \$4.00.

Premium Late Flat Dutch. 90 days. Good keeper, firm heads of good quality. Dependable. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

YELLOWS RESISTANT VARIETIES

Detroit. (Yellows Resistant.) Similar to Golden Acre except larger head. It is very uniform, has earliness and is desirable for planting on yellows infested soil. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

Marion Market. (Yellows Resistant.) 85 days. This was originally bred up from Copenhagen Market. It takes about 20 days longer to mature. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

SAVOY and RED CABBAGE

Dwarf Savoy. 85 days. Heads medium large; flat and firm. Crimped leaves. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c.

Dark Red. 90 days. Best red variety. Good keeper, round hard head. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c.

CHINESE CABBAGE

Chinese or Celery Cabbage

Chihli. 75 days. This is a sure heading, vigorous growing lettuce variety with erect, cylindrical pointed heads 18 to 20 inches long. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

COLLARDS

Georgia or Southern. A variety of Cabbage that does not form a head, but produces a mass of leaves. Very hardy and continuous grower. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

**CAULIFLOWER**

Packet will produce 200 plants; ounce 2000 plants.

Super Snowball. Finest quality. 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white, and well protected by inner leaves. Pkt., 20c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75.

Early Snowball. 54 days. Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for forcing or winter use for early crop and is one of the most popular. Pkt., 20c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; oz., \$1.75.

CARROTS

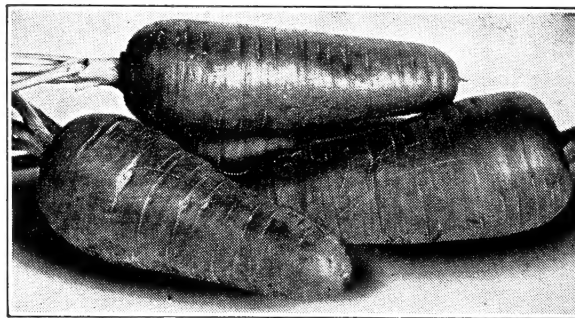
1 oz. will sow 100 feet of row.

Sow the early sorts in March and April, in drills 1 inch deep and 14 inches apart; thin out to 2 inches. For main crop sow in May or beginning of June. A rich, mellow, deeply worked soil gives the finest Carrots.

Chantenay. 70 days. Roots about 5 to 6 inches in length, 2 to 2 $\frac{1}{2}$ inches thick at the crown, smooth and tapering. Color deep orange-red. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.90.

Danvers Half Long. 75 days. Well-known main-crop or late Carrot of great uniformity. The deep orange-red roots are 7 to 7 $\frac{1}{2}$ in. long and 2 to 2 $\frac{1}{2}$ in. in diameter, tapering gradually toward the blunt end. The flesh is bright orange, fine grained, tender, rich in flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.90.

Oxheart or Guerande. 75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper. Roots scarlet-orange; broad, blunt, heart-shaped; become 4 $\frac{1}{2}$ to 5 in. long; easily harvested. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.90.



Chantenay Carrot

CELERY

1 packet will produce 300 plants.

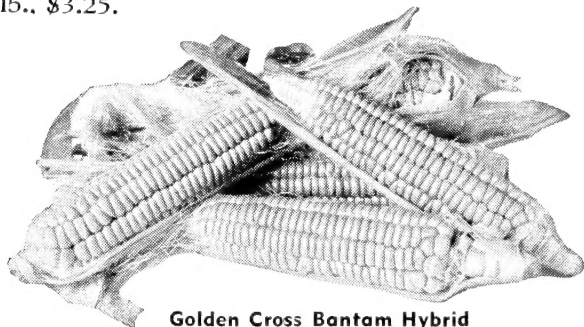
Giant Pascal. 140 days. The standard late, green Celery of excellent quality. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.50.

Golden Self Blanching. Select. 85 days. Early and very desirable for home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.50.

Celeriac. Turnip rooted. 120 days. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25.

CORN SALAD

Large Leaved. Sometimes called Lamb's Lettuce. An extremely hardy type plant that forms rosettes of tender leaves which are used as a substitute for Lettuce and mixing with salads. Leaves are large, rounded and thick. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.25.



Golden Cross Bantam Hybrid

SWEET CORN

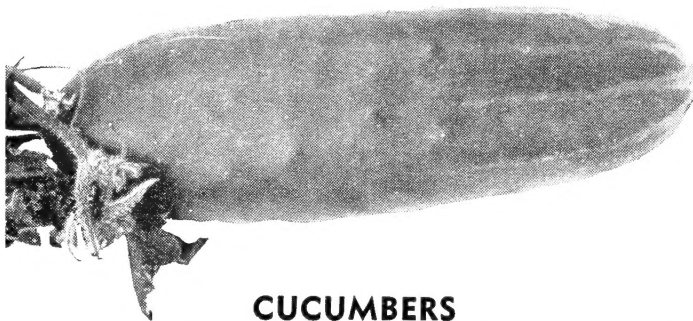
1 pkt. plants 40 hills; 1 lb., 250 hills; 15 lbs. to acre.

Plant seed after all danger of frost has passed and the soil has become thoroughly warm, in rows 2½ to 3 ft. apart, spacing the seeds 4 to 6 in. apart in the row; cover with 1 in. of soil and later thin to stand 9 to 12 in. apart.

Golden Cross Bantam Hybrid. 85 days. Bred for wilt resistance, high yield and superlative quality. Grows 7 to 8 ft. high. Fine ears with 10 to 14 rows of light golden kernels. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00.

Evergreen Hybrids. 90 days. You've tried yellow hybrids, now test the superiority of this Corn of the Stowell's Evergreen type. Plants grow 8 to 10 ft. tall, ears measure 7½ to 8½ inches, with 14 to 18 rows of deep, narrow kernels. Pkt., 15c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.50.

Countrv Gentleman Hybrid. About 95 days. The grain is small, and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 15c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.50.

**CUCUMBERS**

Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage or kill them. Plant in hills or rows 4 feet apart. For pickles, plant from June first to middle of July. ½ oz. to 25 hills; 2 lbs. to 1 acre.

Black Diamond, (Stay Green.) 64 days. Fruits rich dark green, retaining their color long after picking. 7 to 8 inches long, 2¾ inches thick. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.

Davis Perfect. 60 days. A very fine Cucumber. Beautiful dark green color. Fruits 8 to 10 inches long, tapering at both ends, solid flesh, few seeds. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

London Long Green. 70 days. The fruits are very long, often 12 to 15 inches when mature, yellow when ripe. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.

Straight Eight. 64 days. This White Spine variety typifies its name, running quite straight, regularly 8 inches long and 2 inches in diameter. Color dark green. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Snow's Perfection Pickling. 60 days. Is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

EGGPLANT

Sow seed in hotbeds early in spring and transplant to the open after all danger of frost is over, 2 feet each way; cultivate frequently.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25.

Improved New York Purple. About 83 days. Early and almost continuous bearing; fruits are satiny smooth. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25.

ENDIVE

1 oz. of seed for 50 ft. of row.

One of the best salads for fall and winter use, and sometimes used for greens, flavoring soups and stews. It may be grown at any season but is more generally planted for fall.

Broad-Leaved White or Escarolle. 92 days. A distinctly improved form of Broad-Leaved Endive. Plant medium large with deep, full, well-blanchd heart of infolded broad leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Green Curled. 95 days. The leaves of this variety are finely divided, giving a mossy appearance. Pkt., 10c; oz., 20c; ¼ lb., 60c.

HERB SEEDS

Every kitchen garden should have some of the popular herbs.

Anise. The leaves are finely fringed; used in garnishing and flavoring. Pkt., 10c; ½ oz., 35c; oz., 60c.

Basil. Leaves are used for aromatic seasoning. Pkt., 10c; ½ oz., 35c.

Balm. (Perennial.) The leaves are very fragrant; used to flavor summer drinks. Pkt., 10c; ½ oz., 35c.

Coriander. The seeds are used in pickles and confectionery. Pkt., 10c; ½ oz., 35c.

Dill. Leaves and seed used for flavoring in dill pickles, soups and sauces. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Lavender. (Perennial.) Leaves used for seasoning and the dried leaves for sachets. Pkt., 10c; ½ oz., 50c.

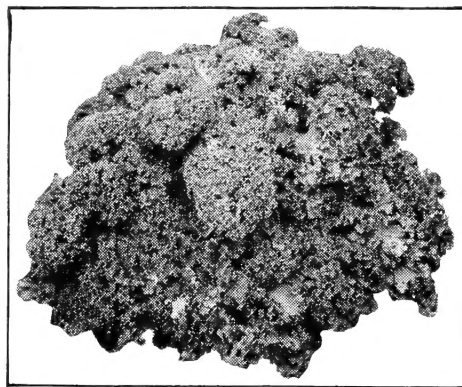
Marioram. (Perennial.) Sweet. Tops green or dried, used for flavoring soups. Pkt., 10c; ½ oz., 50c.

Sage. (Perennial.) Dried leaves much used for seasoning in dressings; the most popular of all herbs. Pkt., 10c; ½ oz., 50c.

Summer Savory. Dried leaves and flowers are used for flavoring soups and dressings. Pkt., 10c; ½ oz., 40c.

Sweet Fennel. (Perennial.) Seeds used in confectionery. The young shoots can be eaten raw or used in soups and salads for flavoring. Pkt., 10c; ½ oz., 50c.

Thyme. (Perennial.) The leaves and shoots are used for seasoning and flavoring sausage and other meats. Pkt., 10c; ½ oz., 60c.

**KALE**

Siberian. 40 days. Very hardy and improved by moderate frost. Sow in May or June. Makes excellent greens, tender and fine flavor. Oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Dwarf Green Curled Scotch. 55 days. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

KOHLRABI

1 oz. of seed will produce from 3000 plants.

For early use sow in hotbeds and transplant. Out-of-doors sow in open ground the first part of April in rows 18 inches apart; thin out.

Earliest White Vienna. 55 days. Greenish white outside, with clear white flesh within, fine quality. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.25.

Earliest Purple Vienna. Same in every respect except in color. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., \$1.00.

LEEK

The long, thick, blanched neck is desirable for soups, stews, or creamed. It belongs to the Onion family.
Large London Flag. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

LETTUCE

1 oz. will produce 3000 plants.

Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills, being careful to firm the soil over the seed and thin to 4 inches in row.

EARLY CURLED VARIETIES

Early Curled Simpson. 45 days. The standard loose-headed variety. Earlier than the heading sorts. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.90.

Black-Seeded Simpson. 45 days. Easily grown, especially recommended for spring and early summer use. The leaves are large, yellowish green, fringed and crumpled. The inner leaves are almost white. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$1.90.

Grand Rapids. 45 days. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Prize Head. 40 days. Forms a very large loose head, slightly tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c.

HEADING VARIETIES

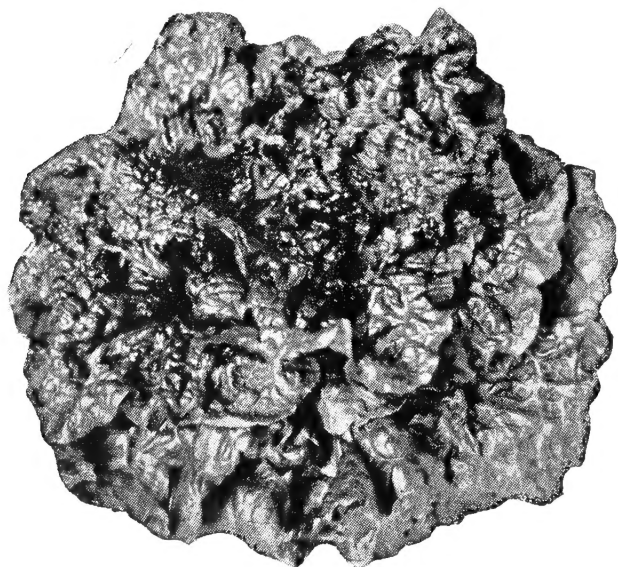
Big Boston. 70 days. Especially valuable for summer and fall use out-of-doors. It is a butter-head type with glossy leaves tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

Bibb Lettuce. A loose waxy head variety with very deep green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Very popular for family gardens. Pkt., 10c; oz., 25c; ¼ lb., 90c.

Great Lakes. 75 days. Iceberg type, bred to make tight heads in hot weather. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

New York or Wonderful. A decidedly crisp, Cabbage-heading variety. Very large, rooting deeply, resisting hot, dry weather, slow to run to seed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.20; 1 lb., \$4.50.

Oakleaf. Noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an oak tree, deep green and tender. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.



Black-Seeded Simpson Lettuce

MUSTARD

1 oz. will sow 40 ft.

Mustard greens are as healthful and nourishing as Spinach.

Chinese Broad-Leaved. The leaves are broad, smooth and often 12 inches long. Color deep green. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Southern Giant Curled (Long Standing). 30 days. The leaves of this variety are closely curled and finely fringed. A little slower growing than the frilled varieties but longer standing. 1 oz., 10c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.25.

MUSKMELON**or
CANTALOUPE**

1 oz. plants 50 hills;
2 lbs. to 1 acre.

Plant in May for early crop; in June for late crop.

Hale's Best. 85 days. Exceptionally fine quality, originating in California's famous Imperial Valley. Salmon flesh, medium early. A splendid shipping Melon. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

Pride of Wisconsin. 90 days. Salmon flesh of unusual thickness. The Melon grows to an average size of 8 inches. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

WATERMELON

1 oz. for 20 hills; 3 to 4 pounds per acre.

Kleckley's Sweet. 95 days. This is considered the sweetest of the large melons. Particularly adapted for home garden.

Klondike. (90 days.) (Dark seeded.) We consider Klondike the best medium season Melon and the very sweetest of all Melons. The thin rind is dark green.

Stone Mountain (or Dixie Belle). 110 days. Rich dark green in color with scarlet flesh that is exceptionally sweet.

Tom Watson. 110 days. The rind is dark blue-green; the flesh is deep red and very sweet.

All above: Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

OKRA or GUMBO

Okra pods are used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long.

Dwarf Green Prolific. 65 days. Low, stocky and productive, with long pods. Oz., 10c; ¼ lb., 35c; lb., 90c.

ONION

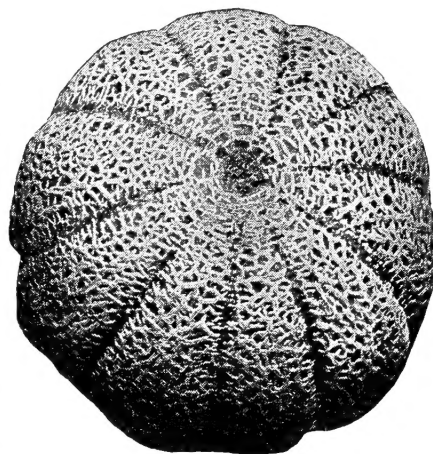
1 oz., will sow 100 ft. of row.

One of the most nutritious and healthful of vegetables, having excellent medicinal qualities and most useful for flavoring salads, soups, meats, etc. It can be produced easily from seed and is one of the most satisfactory vegetables in the garden.

Southport White Globe. 110 days. This variety yields abundantly, producing medium to large, fine shaped clear white bulbs. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

Sweet Spanish. (Utah Strain.) 110 days. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Very mild, sweet flavor. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

White Portugal. (For pickling.) This is a medium sized Onion of mild flavor and with clear white skin. The variety is a favorite bunching Onion, and for pickles. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.15; 1 lb., \$4.00.



PARSLEY

1 oz. sows 150 ft. of drill.

Easily grown and useful for so many purposes. Seed is sown in rows one-half inch deep and one foot apart. Cover firmly but not deep. As it is slow to germinate, usually taking 3 to 4 weeks, soaking in water is desirable.

Double Curled. The best green curled. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.50.

PARSNIP

1 oz. for 100-ft. row, 5 lbs. per acre.

General culture for Parsnips is the same as for Beets, except a light or slightly sandy soil is best. May be left in ground through winter.

Hollow Crown. 95 days. This is the most popular and best variety in cultivation. The skin is smooth and the flesh tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25.

GARDEN PEAS

1 lb. is enough for 100 ft. of row.

Peas make their best growth during cool weather so that the first planting of seed should be made as early in the spring as the soil can be worked.

Alaska-Ameer Mammoth Pod. The seed being smooth, it can be planted as early as any of the extra early ones. It is very prolific; pods of a rich dark green color. Vine about 30 inches high. Matures in about 56 days. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., 25c per lb.

Laxton's Progress. 62 days. The earliest of the large-podded dwarf Peas. Pods 4½ inches long, containing 7 to 9 dark green Peas. 18 inches tall. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., 30c per lb.

Little Marvel. 63 days. A leading variety of wrinkled-seeded. Grows 18 inches high. Pods average 3 inches, well filled with 7 or 8 large,

deep green Peas. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

PEPPER

1 oz. will produce 2000 plants.

Seed should be sown in a hotbed or in a shallow box in a warm place in the house, allowing 8 to 10 weeks to produce plants large enough to set outdoors when all danger of frost is past.

Bell or Bull Nose. 65 days. An early sweet Pepper. Large, bright red, thick flesh. Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

California Wonder Select. (Sweet.) 72 days. Standard of excellence in sweet Peppers. Heavy producer, fruit large, smooth. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

Chinese Giant. (Sweet.) 80 days. The largest sweet Pepper. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Hungarian Yellow Wax. 70 days. This large fruited, early, hot Pepper is highly esteemed for canning. The plants produce a fine crop of fruits 6 to 7 inches long and 2 inches in diameter. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

King of the North. (60 days.) The best early large Pepper which will be valuable for northern states. The fruits are enormous in size and color up a brilliant red. They will average six inches long and three to four inches across. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Pimiento. 73 days. The shape is distinctly conical, medium size. Color, when young, is a glossy green turning ruby-red when ripe. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75.

Sweet Yellow or Banana. (60 days.) Probably the largest, earliest and sweetest of all yellow Peppers. It is Banana-shaped, averaging about 6 inches in length and 2 inches in diameter. Light yellow in color. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PUMPKINS

Culture: Generally planted in Corn after the last working and gathered after Corn has been shocked. For field crop, plant in May or June in hills 8 feet apart, about 5 to 10 seeds to the hill.

Kentucky Field. 100 days. Standard large Pumpkin for canning and for stock feed. Oz., 10c; ¼ lb., 30c; 1 lb., 90c.

Small Sugar. 100 days. Round, slightly ribbed fruits of medium size, about 7 in. in diameter. Best pumpkin for general use; good keepers. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

RADISHES

1 oz. will sow 100 ft. of row.

One ounce sows 75 ft. of drill. If broadcast requires 10 lbs. per acre. For forcing in frames sow in January or February. Out-of-doors, sow from March to June for early summer crop. For late, sow from July to September. Early sorts mature and are ready for the table in 21 to 30 days from sowing.

Crimson Giant. 30 days. Roots scarlet, spherical. Largest early Radish which remains crisp the longest. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Scarlet Turnip White Tipped or Sparkler. Something extra fine. 23 days. The lower half is white, the upper half bright scarlet, the contrast in color being very showy either on the table or market stand. Oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

Scarlet Globe. (Selected Stock.) 23 days. The interior of the root is pure white, mild, crisp and fine grained. Recommended for market garden or forcing. Oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.



Icicle Radish

Icicle. 35 days. A magnificent white variety. Grows 3½ to 4 inches long. Oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.00.

WINTER RADISHES

Rose-Colored China. 40 days. Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. Oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

Round Black Spanish. 40 days. Good specimens are almost round and measure 3 to 4 inches through. Skin black, flesh white. A fine keeper. Oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

California White Mammoth. Very solid and tender. The best white Radish for late fall planting. Oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

PEPPER—SMALL FRUITED VARIETIES

Long Red Cayenne. The fruit is 4 inches long and 1 inch thick, twisted and pointed. The flesh is strong and pungent. Recommended for drying. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

Red Chili. Bright red when ripe and are very hot or pungent. They are used for making Pepper sauce. Pkt., 10c; ½ oz., 30c; 1 oz., 50c.



Swiss Chard

RHUBARB or PIE PLANT

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color, and almost stringless. Oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.25.

SALSIFY

Often called "Oyster Plant" and is easily grown.

Sow in April in rows 18 inches apart, thinning out to 4 to 6 inches. Cultivate deeply and often.

Mammoth Sandwich Island. This variety is uniform in growth. The roots are of superior quality and most delicate flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.00.

SPINACH

1 oz. to 30 or 35 ft. of drill.

Sow early in spring. Spinach is high on the list of health-giving and body-building vegetables. Grow more and eat more. It is essentially a spring and autumn crop and delights in cool, moist weather. While an annual, it is so hardy that it may be sown in the autumn and carried over winter except in the extreme North, coming on very early in the spring.

Bloodsdales Long Standing. 45 days. An outstanding strain of the Savoy Leaved Spinach. Much in demand for home and market gardens. It is slow to run to seed. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$4.25.

Giant Nobel or Giant Thick Leaved. The seed of this thick-leaved variety produces the largest Spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$4.75.

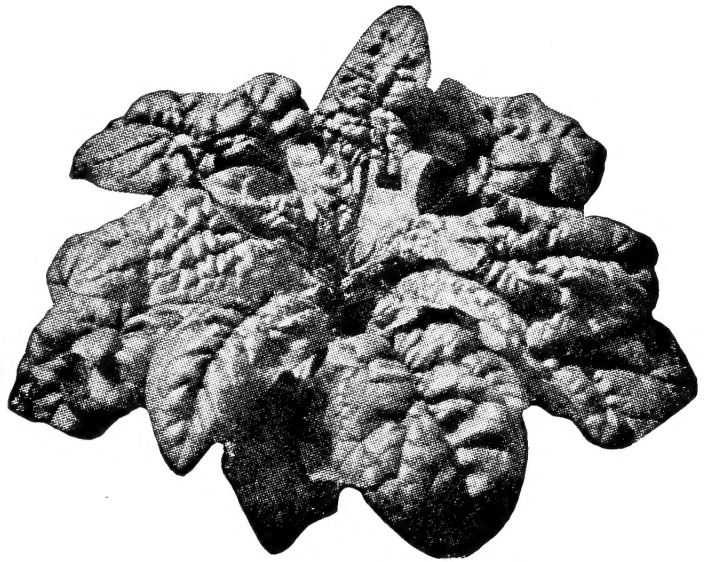
Zealand Spinach. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

SWISS CHARD

Lucullus. 60 days. Large leaves are wrinkled, with thick midribs, tender and of good flavor. Large pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.



Acorn or Table Queen Squash



Bloomsdale Spinach

SQUASH

1 oz. will plant 20 hills; 2 lbs. an acre.

Do not plant until all danger of frost is over. The bush summer varieties of Squash can be planted 5 feet apart, but the running winter varieties should be 8 to 10 feet apart.

Acorn or Table Queen. (60 days.) This unique winter Squash has already won favor. Just the right size to cut in half (when it will bake in 20 minutes) and serve individually. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.60.

Gray Zucchini. 60 days. When matured it is 18 inches long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Mammoth White Bush. 54 days. Creamy white and scalloped around the edges; flesh is milk-white and of delicious flavor. Widely used for stewing or boiling. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

Warted Hubbard. 110 days. Warted Hubbard Squash has been bred to the highest quality; fruits are large; skin rough, dark green; flesh bright orange, fine grained, rich and dry. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$1.90.

Yellow Summer Crookneck. 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

TURNIPS

For early use, sow in March or April, either broadcast, or in drills.

Turnips for main crop are sown from July to September 15th, broadcast $1\frac{1}{2}$ to 2 lbs. per acre. **An ounce will sow about 300 feet.** Turnips for greens can be sown as late as October 1st, and require 2 lbs. per acre.

Purple Top White Globe. Roots globular, smooth; bright purplish red above, white below. Flesh white, firm, fine grained and tender. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 10 lbs., \$7.50.

Seven Top, for Turnip Greens. A foliage turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens. Oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

RUTABAGAS

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top; flesh yellow. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 95c.

TOMATOES

1 oz. will produce about 1000 plants.

Tomatoes should be in every garden. It is quite simple to grow your own plants. Sow the seed in a hotbed, or in a shallow box in the house, allowing 6 to 8 weeks to produce plants large enough for setting outdoors when weather becomes warm. Sow in rows 3 in. apart and cover with $\frac{1}{4}$ in. of soil. When plants are about 2 in. tall, transplant to stand 4 in. apart each way, or pot singly in 3-in. pots. Plant outdoors when all danger of frost is past, in rows 4 ft. apart and 3 ft. apart in the row.

Bonny Best. 75 days. One of the most prolific of the early Tomatoes. Medium size, solid, bright red. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00.

Break O' Day, Certified. Wilt resistant. 85 days. Vines vigorous and very productive. An early scarlet fruited variety. Medium to large size and globe-shaped. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.50.

Break O' Day. Wilt resistant. 85 days. Vines vigorous and very productive. An early, scarlet fruited variety. Medium to large size and globe-shaped. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00.

Crimson Cushion or Beefsteak. 98 days. Late, red, very large. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

Earliana. Very early—particularly valuable for home and early market garden. Medium size, deep scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.

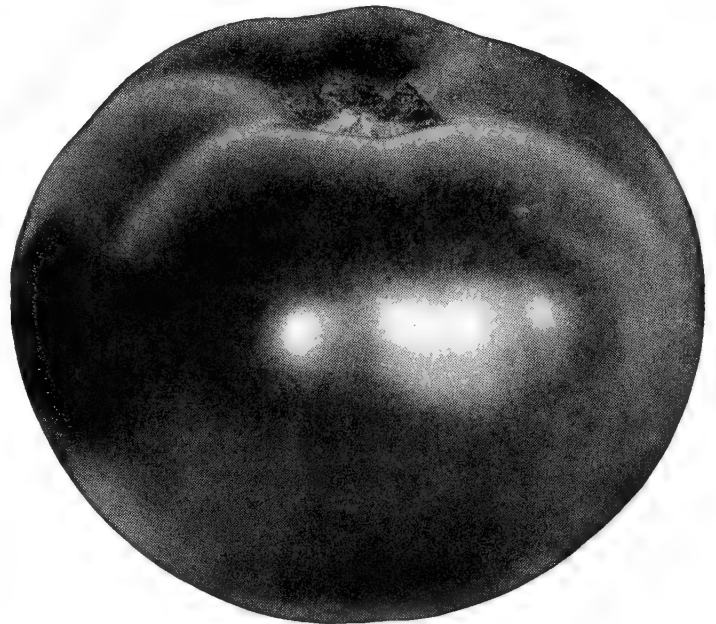
Firesteel. 62 days. A small vine, large fruited Tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Greater Baltimore, Certified. The leading canning and juice Tomato. Fruits have been slightly deepened in shape, reducing loss of peeling and coring. Noted for its deep red color throughout, ripens evenly over entire surface. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Grothen's Globe, Certified. A much improved type over Break O' Day. Like Break O' Day it is wilt resistant and in addition the vines are heavier foliaged giving protection against sunscald and produces large deeper fruits of full red color. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Jubilee. New orange colored. Non-acid, meaty, recommended. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Livingston's Beauty. Purplish pink, somewhat flattened, large, smooth. An old variety which withstands adverse weather. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.



Greater Baltimore

Livingston's Globe, Certified. 85 days. A large, purplish pink, globe-shaped or very nearly round Tomato of excellent quality. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.50.

Marglobe, Certified. 85 days. Of fine appearance, and great productiveness. In color it is a most beautiful scarlet, ripening well up to the stem. The "Marglobe" has proven resistant to wilt. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.

Marhio. A wilt-resistant pink Marglobe. An introduction from the Ohio Experiment Station, popular as a variety for greenhouse forcing, market and home gardening use. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Michigan State Forcing. Wilt resistant. Distinct greenhouse Tomato developed at Michigan State College. Rich, deep scarlet fruits. Pkt., 25c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.25.

Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.75.

Ponderosa. 85 days. Extremely large; purplish pink, few seeds, mild flavor. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.25.

Pritchard, Certified. (Scarlet Topper Certified.) 90 days. Fine all-round variety, heavy yielder; second early; wilt-resistant; fruit solid. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.60.

Rutgers, Certified. 85 days. Desirable for market gardeners; bright red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40c; 1 lb., \$5.25.

Stokesdale Certified. 75 days. Early, suitable for shipping. Fruits uniform, deep scarlet; globe shape. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.

Stone Improved. Valuable for market and canning; heavy producer; deep scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

PICKLING or PRESERVING TOMATOES

Red Cherry. Used for preserving and pickling. Fruit small, round and deep red.

Yellow Plum. Fruits plum-shaped, clear yellow color. Either above: Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c.



Oxheart



Alyssum, Perennial

ACHILLEA - Milfoil or Yarrow

(Perennial) Tr. pkt. 1/4 oz.

Ptarmica Snowball. An improved "The Pearl" with fuller and more perfect flowers. Fine for cutting\$0.25 \$0.75

AGERATUM, MEXICANUM

Tr. pkt. 1/4 oz.

Blue Cap. 4 in. Dwarf, compact. True blue flowers. Very uniform\$0.25 \$0.85

Blue Ball Improved. 6 to 10 in. Large flowered strain 1/8 oz., 50c.. .20 .90

Blue Perfection. Dark blue bedder. 8 in.. .15 .40

Midget Blue. Fine dwarf, compact, rich blue 1/8 oz., 75c.. .30 1.40

ALYSSUM

Tr. pkt. Oz.

Carpet of Snow. The best extra dwarf strain we know of 1/4 oz., 25c..\$0.15 \$0.90

Little Gem. 6 inches. White, good even stock 1/4 oz., 25c.. .15 .90

Violet Queen. Bright violet, dwarf, compact, fine for bedding and borders .. .1/4 oz., 35c.. .20 1.10

Lilac Queen. New variety, compact, good color, lavender-lilac 1/4 oz., 25c .. .15 .80

ALYSSUM (Perennial)

Tr. pkt. Oz.

Saxatile Compactum (Basket of Gold.)

An indispensable plant for the rockery or border, growing 1 foot high and producing in May masses of broad, flat heads of bright yellow flowers

..... 1/4 oz., 30c..\$0.20 \$1.00

AMARANTHUS

Tr. pkt. 1/4 oz.

Tricolor (Joseph's Coat). 2 1/2 ft. The inner foliage is of blackest bronze, tipped with green; the outer bright scarlet and gold 1 oz., \$1.00....\$0.15 \$0.35

ANCHUSA

(Annual)

Tr. pkt. 1/4 oz.

Blue Bird. Attractive deep Forget-Me-Not-blue flowers. 18 in. 1 oz., 75c..\$0.15 \$0.25

ANCHUSA (Perennial)

Tr. pkt. 1/8 oz.

Myosotidiflora. A distinct dwarf species, 10 inches high, producing during April and May sprays of Forget-Me-Not-blue flowers. Excellent for the rock garden. \$0.40 \$0.90

ANTHEMIS - Marguerite (Perennial)

Tr. pkt. 1/4 oz.

Kelwayi. A most satisfactory hardy perennial bearing daisy-like, golden yellow blossoms; excellent for cutting\$0.15 \$0.25

AQUILEGIA - Columbine (Perennial)

Long-Spurred Columbine

The plants are of strong, thrifty growth, with flowers of largest size, varying in color through tones of cream, pink, lavender, blue, white, red, etc. Tr. pkt. 1/4 oz.

Mrs. Scott Elliott's Hybrids. An excellent and popular long-spurred mixture....

..... 1/8 oz., 60c..\$0.35 \$1.00

Blue Shades. A very fine strain of light and dark blue shades 1/8 oz., 50c.. .30 .90

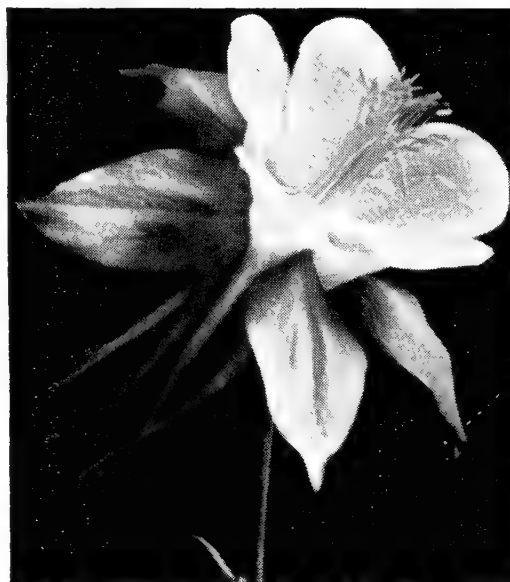
Copper Queen. Copper-red and straw corolla 1/8 oz., 60c.. .35 1.00

Crimson Star. Crimson, the center white 1/8 oz., \$1.25.. .40

Orange and Scarlet Shades. Contains fine shades of orange-scarlet.. 1/8 oz., 50c.. .30 .90

Rose Queen. Pink shades, long spurs. 2 1/2 ft. 1/8 oz., 50c.. .35 .90

Snow Queen. 18 in. Finest pure white variety 1/8 oz., 50c.. .30 .90



Aquilegia, Long-Spurred Hybrid

ARABIS - Rock Cress (Perennial)

Tr. pkt. 1/4 oz.

Snow Cap. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears

..... 1/8 oz., 40c..\$0.20 \$0.75

Rosea. Similar in habit to the above. The flowers are a delicate shade of pink ..

..... 1/8 oz., 40c.. .20 .75

ARMERIA - Sea Pink; Thrift (Perennial)

Tr. pkt. 1/4 oz.

Formosa hybrida. Heads of rosy pink flowers. Useful for edging or rockery..\$0.25 \$0.65

ASPARAGUS

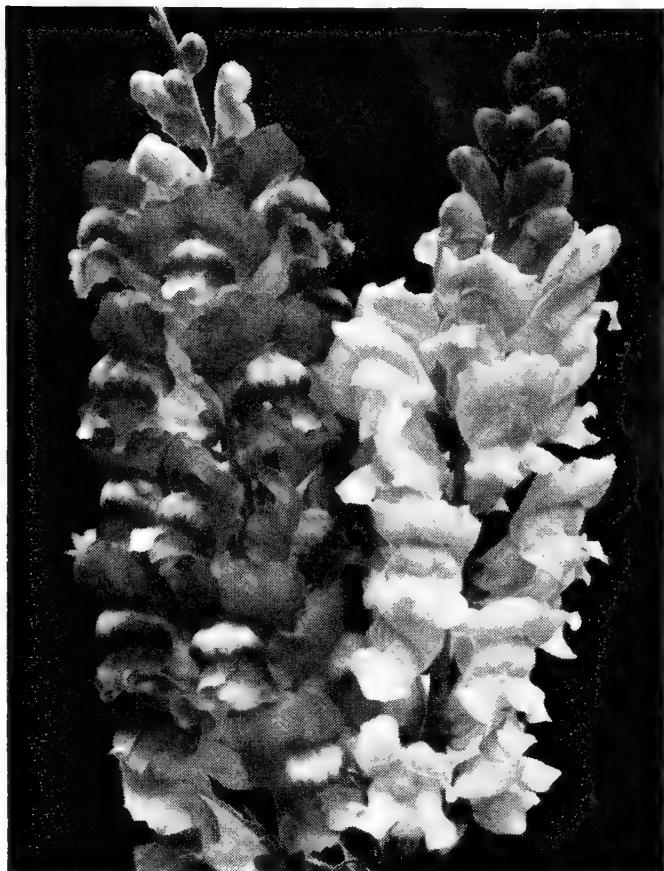
Carefully harvested, hand-picked, plump, well-matured seed. 250 1000

seeds seeds

Plumosus\$0.70 \$2.25

Sprengeri65 2.10

ANTIRRHINUM



ANTIRRHINUM - Snaps

Super Majestic. Rust resistant. 16 to 20 inches. We are pleased to be able to offer this excellent base branching type.

Alaska. White.

Autumn Glow. Amber and gold.

Dainty. Soft rose.

DuBarry. Flaming salmon-rose.

Harmony. Terra cotta and yellow shaded rose.

Red Rocket. Bright red.

Rose Sensation. Rose-pink.

Wild Fire. Bright orange-scarlet.

Super Majestic Mixed.

Prices on above:

Each: Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 90c.

Maximum or Super Giants

Rust-Resistant. 2 3/4 feet.

In habit these are taller than the Majus group, and the individual flowers are much larger. Fine for cutting.

Campfire. Luminous scarlet.

Canary Bird. Canary-yellow.

Copper Queen. A real true copper-scarlet.

Crimson King. Fiery crimson.

Loveliness. Soft rose-pink.

Paradise Rose. Rose-pink.

Red Cross. Crimson, white tube.

Rosalie. A rich deep rose.

Shasta. Pure white.

Yellow Giant. Deep yellow.

Maximum Mixed.

University of California Improved Mixed. 30 in. Excellent for cutting.

Prices on the above varieties:

Each: Tr. pkt., 20c; 1/8 oz., 40c; 1/4 oz., 75c.

Antirrhinum (Rock Hybrids.) Very dwarf, 6 inches, for pots.

Tr. pkt., 35c; 1/8 oz., \$1.00.

SNAPS for Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops.

Tr. pkt.

The following are in originator's packages.

Better Times. Bright rose-pink, early bloomer ... \$2.00

Carol Jean. (Dornacher.) It is just a shade lighter than Ethel Yellow 2.00

Christmas Cheer. The best early pink. Easy to grow, sure to bloom, pleasing color, sow in June for Christmas crop 3.00

Delworth's Supreme. A Canadian introduction by the well known grower Cecil Delworth 1.50

Dorcas Jane. (Dorcas). Brilliant rose-pink hybrid. Early 2.50

Ethel. Large, bright yellow flower, winter bloomer, well formed head, good stems 1.50

Gilbert's Pink. Medium early 1.50

Glorious. Deep bronze, shaded scarlet 1.50

Junglewood Lemon. New. Of a cream or lemon shade 2.00

Junglewood White. Deep green foliage; tall, sturdy, whiplike stems; long spikes of closely set florets 2.00

Junglewood Yellow. 1946 introduction. Large, rich yellow flower. Heavy spike and stem. 2.00

Koester's White. It is earlier and a stronger grower than White Wonder 1.50

Lady Dorothy. Silver Medal. Distinctive bronze, shaded copper-red. Early 3.00

Madeline. (Stoecker). Pure white. A fine new white, winter bloomer 3.00

Margaret. Is a winter-blooming ivory-white. The stem is exceptionally stiff and there is almost no side growth 2.00

Mary Ellen. (Yoder). Is a light rose-pink, blooming freely and evenly in winter 2.00

Maryland Pink. Early, light pastel pink. Large flowers 3.00

Peggy Schumann. A fine rose-pink, excellent spikes 2.00

Prosperity Improved No. 1. New, pure white; pinch to 5 or 6 eyes 1.50

Schumann's Lavender. A true color, produces a strong, sturdy stem with a spike of large moderately close flowers 2.00

Schumann's Yellow. Earlier and far superior to the old variety 2.00

St. Louis Pink. (Rowe.) Beautiful shade of silvery pink. Spring bloomer 1.50

Talisman. Improved strain, early, all double, all bronze, true to type and color 1.50

White Prosperity. Clear white, extra fine 1.50

White Wonder. Early snow-white 1.50

Yellow Wonder. Early clear deep yellow 1.50

Yoder's No. 3. One of the parents of Mary Ellen, is uniform light pink, slightly deeper than Mary Ellen. 1.50

STANDARD GREENHOUSE VARIETIES

Afterglow. Deep golden bronze, medium early . 1.00

Bertha Baur. Good lavender 1.00

Ceylon Court Dark. Early yellow 1.00

Cheviot Maid Supreme. Best early clear rose-pink 1.00

Coat's Yellow Perfection. A fine deep yellow ... 1.00

Lucky Strike. Best white medium early 1.00

Rose Queen. Fine deep rose, medium early 1.00

Velvet Beauty. Rich American-Beauty-red in color 1.00

Greenhouse Varieties, Mixed. A good mixture.. .75

ASTERS, Bodger's Wilt Resistant

Asters are now one of the most profitable cut flowers, whose culture has been greatly simplified by the introduction of Wilt-Resistant varieties.

Queen of the Market

Wilt Resistant. 1½ feet

Medium sized flowers. Blooms in July. The earliest Aster of quality.

	Tr. pkt.	¼ oz.	Oz.
Azure Blue	\$0.30	\$0.50	\$1.75
Ballet Queen. New salmon-rose. .30	.65	2.00	
Crimson .....	.30	.50	1.75
Dark Blue .....	.30	.50	1.75
Flesh Pink .....	.30	.50	1.75
Light Blue. Medium blue .....	.30	.50	1.75
Rose. Soft rose .....	.30	.50	1.75
White .....	.30	.50	1.75
Finest Mixed .....	.25	.40	1.60

Early Royal

Wilt Resistant, 2 feet

Blooms mid-July, directly following the Queen of the Markets.

	Tr. pkt.	¼ oz.	Oz.
Azure Blue or Dark Lavender ...	\$0.30	\$0.50	\$1.85
Deep Rose. Taller .....	.30	.50	1.85
Purple. Deep purple .....	.30	.50	1.85
Shell-Pink .....	.30	.50	1.85
Coppery Rose .....	.30	.50	1.85
Scarlet .....	.30	.50	1.85
White .....	.30	.50	1.85
Finest Mixed .....	.25	.45	1.75

Giant Crego Improved (Incurved)

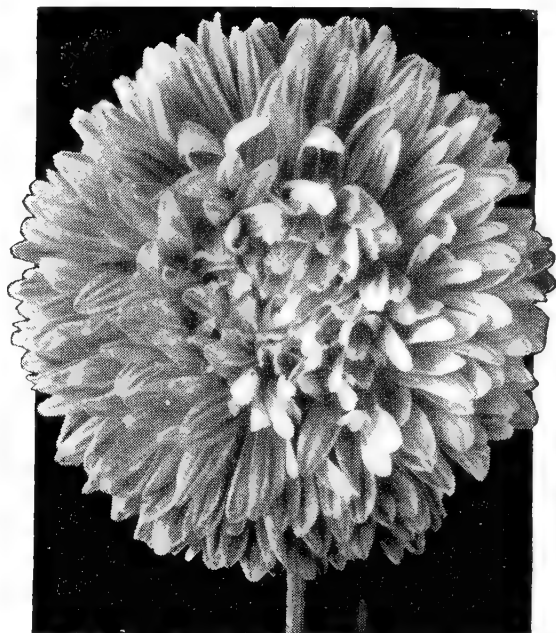
Wilt Resistant. 2½ feet

Twisted and curled petals. Flowers of good size.

	Tr. pkt.	¼ oz.	Oz.
Azure Blue	\$0.30	\$0.50	\$1.75
Blue Flame. Bright navy blue ...	.30	.50	1.75
Crimson .....	.30	.50	1.75
Deep Rose. Bright rose .....	.30	.50	1.75
Light Blue .....	.30	.50	1.75
Pink. Shell-pink .....	.30	.50	1.75
Purple or Dark Blue .....	.30	.50	1.75
White .....	.30	.50	1.75
Finest Mixed .....	.25	.40	1.60



Aster, Princess Bonnie



Early Royal

ASTER, EARLY GIANT WILT RESISTANT

20 in.

The finest large flowering early Aster. Giant California type. Good stems, blooms mid-August.

Light Blue. Early flowering.

Rose Marie. Early rich rose.

Peach Blossom.

Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

PRINCESS

WILT RESISTANT

New cutting type having full crested centers. Early, branching habit, height about 2 ft.

Princess Barbara. Very attractive orchid.

Princess Bonnie. Silvery rose with golden center deepening as flower matures.

Princess Types Mixed. Choice formula mixture.

Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

American Branching

Wilt Resistant

Plants 2½ to 3 feet tall, branching, robust, flowers large, double and fine form. Flowers late August and early September.

	Tr. pkt.	¼ oz.	Oz.
Azure Blue or dark lavender	\$0.30	\$0.50	\$1.85
Crimson .....	.30	.50	1.85
Peerless Pink .....	.30	.50	1.85
Purple .....	.30	.50	1.85
Rose .....	.30	.50	1.85
White .....	.30	.50	1.85
Mixed Colors .....	.30	.50	1.75

Ball Wilt-Resistant

2½ feet

	Tr. Pkt.	¼ Oz.	Oz.
Ball Deep Purple	\$0.30	\$0.60	\$1.85
Ball Deep Rose .....	.30	.60	1.85
Ball Early White .....	.30	.60	1.85
Ball Late White .....	.30	.60	1.85

Heart of France

Brilliant Red. Blooms about Tr. pkt. ¼ oz. Oz.
August 15th. Generally considered the best red Aster ... \$0.30 \$0.50 \$1.75

ASTERS, LILLIPUT

Lilliput Asters are fine as a pot plant and cut flowers. The small flowers are of great value for floral work.

	Tr. pkt.	1/4 oz.	Oz.
Dark Blue	\$0.30	\$0.50	\$1.75
Rose .....	.30	.50	1.75
White, Blue Center .....	.30	.50	1.75
Lilliput Mixed .....	.25	.40	1.60

ASTERS, SINGLE CHINENSIS

Wilt Resistant

Plant 1½ to 2 feet tall, flowers Daisy-like, petals wide and closely placed, blooms in late August.

	Tr. pkt.	1/4 oz.
Single Varieties Mixed	\$0.30	\$0.50

BAPTISIA, FALSE INDIGO

	Tr. pkt.	Oz.
Australis Deep Blue	\$0.20	\$0.75

BALSAM

	Tr. pkt.	1/4 oz.
Double Rose-Flowering	\$0.20	\$0.30
Double Camellia-Flowered Mixture .....	.20	.30
Double Bush-Flowering Rose .....	.25	.45
Double Bush-Flowering Scarlet .....	.25	.45
Double Bush-Flowering Mixed .....	.25	.40

BEGONIA

Among the best bedding plants for semi-shady positions and equally valuable for house culture and pots.

Gracilis

	Tr. pkt.
Red Pearl. Fine brilliant scarlet	\$1.50
Pink Pearl. Fine color	1.50
Indian Maid. Scarlet-bronze foliage	1.00
Luminosa. Deep scarlet with reddish brown foliage	1.00
Luminosa Compacta. Dwarf scarlet	1.00
Prima Donna. Fine pink	1.00
White Pearl. Pure white	1.50

BELLIS PERENNIS - Double English Daisy

This popular Double English Daisy is much used for spring and early summer bedding. Rose, scarlet, white, mixed.

Mixed. Tr. pkt., 40c; 1/8 oz., 85c; 1/4 oz., \$1.50.

BROWALLIA

	Tr. pkt.
Viscosa Compacta, Sapphire. Compact growth with a profusion of small attractively light eyed blue flowers	\$0.35

CALCEOLARIAS

	Tr. pkt.
Multiflora. (Triumph Strain.) The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed	\$1.25
Hybrida Grandiflora Mixed. Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties	1.00

CALLIOPSIS

	Tr. pkt.	1/4 oz.
Gold Crest. Produces large, semi-double, golden yellow flowers with reddish brown eyes	\$0.15	\$0.25

CARDINAL CLIMBER

	Tr. pkt.	1/4 oz.
Cardinal Red. Rapid growing annual climber, producing a profusion of brilliant cardinal-red flowers	\$0.25	\$0.60

CALENDULA

Calendula are easily grown in a cool house with plenty of air. In fall, leave the ventilators wide open at all times if possible. A midwinter temperature of 45 degrees at night is best. If grown cool in a good soil you will get good hardy plants. Sow seed first week in August for end of December or January crop. One ounce will produce about 2500 plants.

Ball's Gold Improved. Deep golden yellow, extra long stemmed.

Ball's Lemon Queen. Clear yellow, dark center, medium long stem.

Ball's Supreme. Light orange, dark center, medium long stem.

Ball's Masterpiece. The finest long stemmed, dark center, orange.

Ball's Improved Long Orange. Long-stemmed, light center, clear orange.

Sensation, Improved. Long stems; very double, brilliant orange.

Price of the above: Tr. pkt., 25c; 1/4 oz., 45c; oz., \$1.50.

Orange King. Rich deep orange-red, dark center, medium; fine for pots and bedding \$0.25 \$0.50



Calendula, Sensation Improved

CAMPANULA MEDIUM - Canterbury Bells

	Cup and Saucer. 3 ft.	Tr. pkt.	1/4 oz.
Dark Blue		\$0.20	\$0.35
Light Blue .....		.20	.35
Rose .....		.20	.35
White .....		.20	.35
Choice Mixed. Extra fine .....		.15	.30

CARNATION, GRENADIN (Perennial)

	Tr. pkt.	1/8 oz.	1/4 oz.
Cardinal-Red	\$0.35	\$0.60	\$1.15
Snow-White .....	.35	.60	1.15
Triumph Deep Pink .....	.35	.60	1.15
Grenadin Mixed .....	.30	.50	1.00

CARNATION, CHABAUD'S GIANT IMPROVED

These Carnations come into bloom five months from time seed is planted and continue to bloom throughout the summer.

	Tr. pkt.	1/8 oz.	1/4 oz.
Mixed	\$0.35	\$0.60	\$1.10

CANDYTUFT Tr. pkt. Oz.

Giant Hyacinth Flowered White, Extra

Select. This is a very superior strain; it grows about 1½ feet high, with enormous trusses of blooms

..... ½ oz., 40c; lb., \$7.50..\$0.20 \$0.75

CANDYTUFT, PERENNIAL - Iberis

Tr. pkt. ¼ oz.

Gibraltarica. Lilac, shading to white\$0.20 \$0.40

Sempervirens. White, 1 ft.35 .85

CANDYTUFT, UMBELLATA

A popular spring cut flower. Sow in January, plant out 8x10 inches.

Tr. pkt. Oz. ¼ lb.

Flesh-Pink\$0.20 \$0.40 \$1.25

Lavender20 .40 1.25

Rose-Cardinal20 .40 1.25

White20 .40 1.25

Fine Mixed. All varieties20 .35 1.15

CELOSIA, DWARF

Feather varieties can be lifted to pots or transplanted from open ground when in full flower, much the same as hardy Mums. Fine for pot plants.

Tr. pkt. ⅛ oz.

Dwarf, Fire Feather\$0.25 \$0.50

Dwarf, Golden Feather25 .50

Dwarf Feather Mixture25 .50

CELOSIA, IMPROVED CRISTATA

(Dwarf Cockscomb) For beds, borders and pots.

Tr. pkt. ¼ oz.

Empress. Dark foliage, dark red flowers..\$0.25 \$0.50

Glasgow Prize. Green foliage25 .50

Finest Mixed.25 .50

CELOSIA, TALL

The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects in poor soil and hot climates.

Tr. pkt. ¼ oz.

Scarlet Plume. 4 ft. Brilliant crimson-

scarlet. Fine for cutting\$0.20 \$0.50

Golden Plume. Tall. Same as above20 .50

Thompsoni magnifica. 4 ft. Well balanced mixture of all colors20 .50

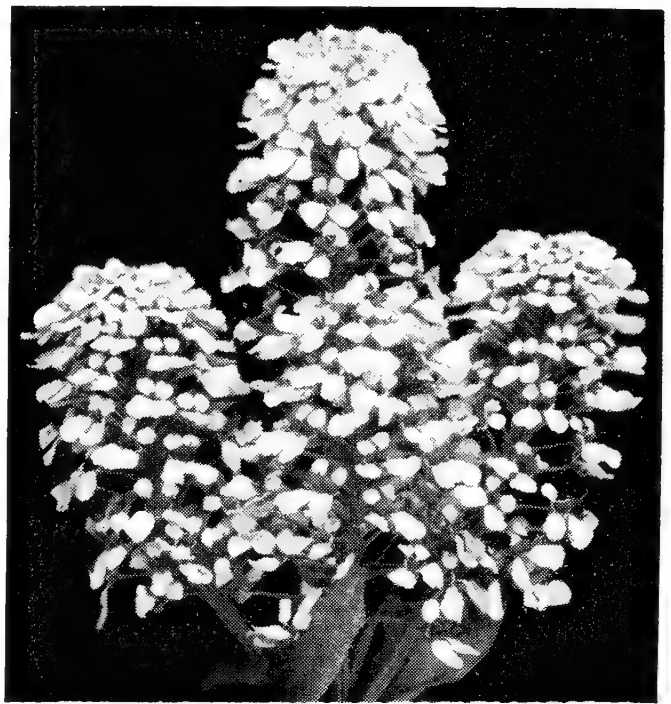
CENTAUREA, WHITE-LEAVED

(Dusty Miller) For borders, vases, baskets.

Tr. pkt. ¼ oz.

Candidissima. 6-inch. Silver-gray foliage.\$0.20 \$0.75

Gymnocarpa. 24-in. Fine, silvery foliage .15 .25



Candytuft, Hyacinth Flowered

CENTAUREA CYANUS, DOUBLE

(Cornflower or Bachelor's Button). 3 ft.

Seed of this valuable cut flower can be sown outdoors during September and usually lives outdoors during winter, same as annual Larkspur.

Tr. pkt. Oz. Lb.

Blue Boy. Finest blue\$0.15 \$0.45 \$4.50

Pinkie. Fine deep pink15 .45 4.50

Red Boy. Deep carmine-rose15 .45 4.50

Snow Man. White15 .45 4.50

Double Finest Mixed15 .35 4.00

CERASTIUM

Tr. pkt. ¼ oz.

Tomentosum (Snow-in-Summer). Silvery white foliage. White flowers. 16 in. ...\$0.15 \$0.40

CHEIRANTHUS - Wallflower

Golden Bedder. Deep yellow Tr. pkt. ½ oz.

..... ¼ oz., 25c..\$0.15 \$0.45

Allioni (Siberian Wallflower). Brilliant

orange15 .35

CHRYSANTHEMUM, DOUBLE

Tr. pkt. ¼ oz.

Golden Crown. Bright butter-yellow flowers are quilled and come fully double..\$0.25 \$0.60

CHRYSANTHEMUM, SHASTA DAISY

(Perennial) Tr. pkt. Oz.

Shasta Alaska. The most popular of all. Very large pure white flowers with small yellow centers. 2½ ft. ... ¼ oz., 40c..\$0.25 \$1.00

Double Shasta Alaska. A fine double cut flower variety, about 70% double50



Celosia, Dwarf



Shasta, Alaska

CINERARIA HYBRIDA

Tr. pkt.

Cremer's Prize. Improved. A very excellent market strain. Distinguished by small foliage, medium to small flowers produced very profusely in large heads and medium tall habit ..\$1.50

Siter's Rainbow Strain. An excellent market strain with immense heads of medium large, mostly white-eyed flowers and small foliage 2.00

CINERARIA MARITIMA

(Foliage Varieties) Tr. pkt. ¼ oz.

Diamond. White leaved\$0.15 \$0.35

CLARKIA ELEGANS DOUBLE

2 feet. Sow in January, grow on in a flat or shallow raised bed. Must be run dry and not fed during growing season. Tr. pkt. ¼ oz.

Finest Mixed\$0.15 \$0.35

CLEOME - Spider Plant

4 feet tall.

Pink Queen. A wonderfully attractive and extra large flowered strain of the old Spider Plant. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers fading to a clear white as they mature, Tr. pkt., 15c; ¼ oz., 40c.

COLEUS

Tr. pkt.

Large Leaved Hybrids. Seed saved from newest and finest large leaved varieties\$0.50

Rainbow Mixed. An excellent selection, highly colored50

COREOPSIS GRANDIFLORA (Perennial)

Very good cut flower. Tr. pkt. ¼ oz. 1 oz.

Sunburst (New Gold). A fine semi-double strain\$0.15 \$0.30 \$0.90

Mayfield Giant. Extra large deep golden yellow. Single15 .25 .75

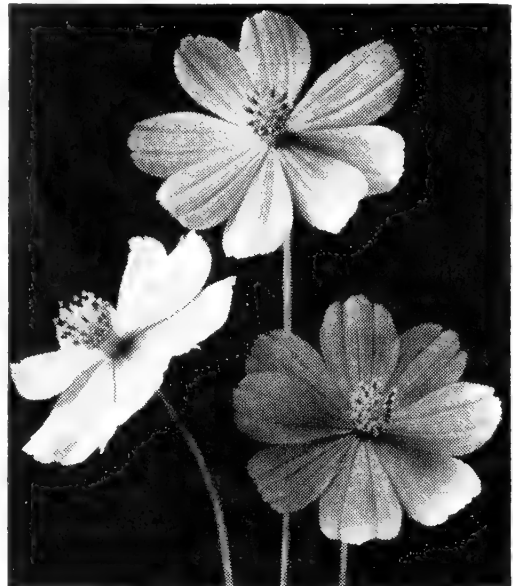
COSMOS, SINGLE SENSATION

Very early giant flowered type. Plants grow 4 to 6 feet. Flowers are quite large.

Cardinal. Crimson. **Purity.** Pure white.
Pinkie. Light pink. **Sensation Mixed.**

Tr. pkt., 15c; ¼ oz., 25c; oz., 75c.

Radiance. (New.) Striking deep rose and rich crimson. a fine bicolor. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.



Cosmos, Orange Flare

COSMOS, LATE SINGLE

	Tr. pkt.	Oz.	¼ lb.
Lady Lenox. Pink	\$0.15	\$0.35	\$1.25
Lady Lenox. White .....	.15	.35	1.25
Perfection. Crimson .....	.15	.35	1.25
Mixed. ....	.15	.30	1.00

COSMOS

Orange Flare. Height 2½ feet. Orange flowers. The stems are long and wiry, well adapted for cutting. Pkt., 10c; ¼ oz., 25c; oz., 75c.

CUPHEA

Tr. pkt.

Firefly. A very attractive spring pot plant that may be planted out for bedding and border work. Height 12 in. and covered with small bright scarlet flowers throughout the summer. .\$.025

CYCLAMEN GIGANTEUM

Our Cyclamen seed has been grown by experienced growers who have specialized in this item.

250 seeds of one variety at 1000 rate. 1000

	Seeds
Baarde's Wonder. Salmon with white border. ..	\$20.00
Bonfire. Brilliant salmon	20.00
Bright Red.	16.00
Dark Blood-Red	16.00
Orange Beauty. Orange-vermilion	20.00
Pure Rose	16.00
Pure White	16.00
Salmon-Scarlet (America Improved)	20.00
Salmon-Rose Improved	20.00
Salmon, Dark (Glory of Wandsbek or Pearl of Zehlendorf)	18.00
Salmon, Light (Rose of Zehlendorf)	18.00

CYNOGLOSSUM - Chinese Forget-Me-Not

Tr. pkt. ½ oz.

Firmament. A dwarf (15 inches) selection from the original blue strain; rich blue, even habit.\$0.20 \$0.50

DAHLIA

Seeds sown in March, plants will be in bloom by the end of June. Graceful semi-double flowers in a wide range of colors. Tr. pkt. ¼ oz.

Unwin's Dwarf Hybrids. Double and semi-double types. Very even habit, 18 inches, with an attractive bright color range 1 oz., \$1.50..\$.25 \$0.45



Cyclamen Giganteum

DELPHINIUM (Perennial)

Belladonna Type

Belladonna Improved. Light blue, large flowered and a strong grower. The finest strain of Belladonna on the market. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.75; ¼ lb., \$10.00.

Bellamosum Improved. Extra select, dark blue, large flowers, deeper and more uniform color. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.75; ¼ lb., \$10.00.

Blackmore and Langdon Hybrids. Shades of blue with contrasting bees. A fine, free-flowering, hybrid strain. Tr. pkt., 50c; ¼ oz., 90c; 1 oz., \$3.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Long blooming period. Tr. pkt., 50c; ¼ oz., \$1.40; 1 oz., \$5.00.

Pacific Giants (Vetterle and Reinelt)

Black Knight Series. The darkest of them all. Individual flowers of beautiful round form.

Blue Bird. A clear medium blue with huge tall spikes.

Bluejay Series. The color is striking, clear medium to dark blue.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Finest white of enormous size, averaging three inches in diameter.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal velvet with large white bee.

Round Table Series. As the name implies, this represents all the newest colors. **Finest Mixed.**

Summer Skies. Clearest light blue with white bee. Individual florets 2 to 2½ inches in diameter.

Prices of Above Varieties:

Tr. pkt., \$1.00; ⅛ oz., \$2.00; ¼ oz., \$3.50; oz., \$12.50.

DIDISCUS

Tr. pkt.

Coeruleus. Blue Lace Flower\$0.25

DRACAENA

Indivisa. Narrow green leaves. The popular kind for bedding or vases. Tr. pkt., 20c; oz., 60c.



Delphinium

DIANTHUS (Perennial)

Dianthus Plumarius - Grass or Clove Pinks

Tr. pkt. ¼ oz. Oz.

Cyclops, Single Perpetual. Various colors, red eye\$0.20 \$0.35 \$1.25

Spring Beauty. Double giant-flowered Carnation-like in form and with a beautiful color35 .50 1.90

Plumarius Single. Single mixed .. .20 .35 1.00

Plumarius Double. Double mixed .25 .50 1.75

Dianthus - Pinks for Rock Garden

Tr. pkt. ⅛ oz.

Allwoodi alpinus. Flowers first year from seed. 4 to 6 inches high; mixed colors. \$0.50 \$1.00

Tr. pkt. ¼ oz. Oz.

Caesius (Cheddar Pink). A dwarf tufted variety. Rose-pink\$0.20 \$0.40 \$1.00

Deltoides Brilliant. Rich rose-pink .25 .50 1.75

Rock Garden Rare Species Mixed. .35 .60 2.25

DIANTHUS - Pinks (Annual)

Tr. pkt. ¼ oz. Oz.

Chinensis, Double. Choice Mixed. \$0.15 \$0.25 \$0.90

Chinensis, Single. Choice mixed. .15 .25 .90

Fireball. Double dark scarlet20 .35 1.20

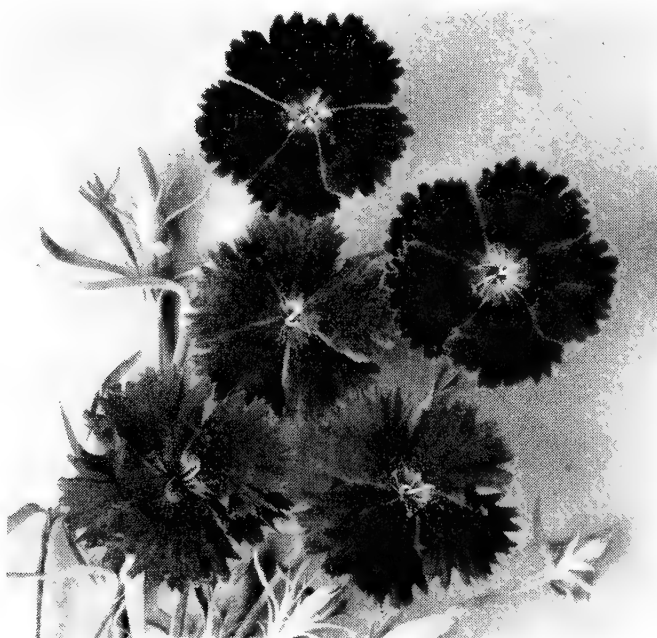
Heddewigi, Double. Choice mixed .15 .25 .90

Heddewigi, Single. Choice mixed. .15 .25 .90

Sweet Wivelsfield. The plants grow 12 inches high, showy blooms of pink and crimson15 .30 1.00

Westwood Beauty. A new single red Dianthus with long stems .. .20 .35 1.00

Dianthus barbatus. See Sweet William, page 24.



Dianthus, Westwood Beauty

DIGITALIS - Foxglove

(Perennial) Tr. pkt. ¼ oz.

Giant Shirley Mixed. A greatly improved strain of unusually strong, vigorous growth. Enormous spikes 3 to 5 feet in length set with very large flowers . . . \$0.20 \$0.65

ESCHSCHOLTZIA
California Poppy

Hybrida Mixture \$0.15 Oz. \$0.75

FEVERFEW - Matricaria

(Perennial) Fine for Cut Flowers

Ball's Double White. Extra. Tr. pkt., 35c; ¼ oz., \$1.00; ¼ oz., \$1.75.

Dwarf Double Golden Ball. Tr. pkt., 25c; ¼ oz., 50c.

FOUR O'CLOCK

Marvel of Peru, Mixed Pkt. Oz.
\$0.10 \$0.40

FORGET-ME-NOT - Myosotis

(Biennial)

Oblongata, Blue Bird. Large deep blue flowers 3 to 4 months after sowing. Also splendid for growing indoors during the winter. Tr. pkt., 35c; ¼ oz., 50c; ¼ oz., 85c.

Alpestris, Royal Blue. A deep rich blue flower produced on plants about 12 inches high. Tr. pkt., 25c; ¼ oz., 50c; ¼ oz., 90c.

Alpestris, Victoria Rose. Tr. pkt., 25c; ¼ oz., 50c; ¼ oz., 90c.



Burgundy

GAILLARDIA
GRANDIFLORA

(Perennial)

One of the showiest and most effective hardy perennial plants. It should have a place in every hardy border, also splendid for cutting. 2 feet.

Tr. pkt. Oz.

Burgundy. Self-colored wine-red, 2½ in. in diameter, on long stiff stems, from June until fall ¼ oz., 50c.. \$0.30 \$1.60

Dazzler. Large flowers, bright golden yellow, with rich maroon-red center. 3 ft. ¼ oz., 50c.. .25 1.50

Goblin. Very compact globular plants, red and yellow bi-color . . . ¼ oz., 60c.. .30 1.75

Portola Hybrids. The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2½ to 3 ft. ¼ oz., 40c.. .25 1.40

GAILLARDIA PICTA

(Annual) Tr. pkt. Oz.

Lorenziana Double Choice Mixed ¼ oz., 35c.. \$0.20 \$1.25

GEUM (Perennial)

Lady Stratheden. Double golden yellow. Tr. pkt., 35c; ¼ oz., 75c.

Mrs. Bradshaw. Double fiery orange-red. Tr. pkt., 35c; ¼ oz., 75c.

GOURDS, ORNAMENTAL

Decorative Varieties, Mixed. ¼ oz., 15c; oz., 50c.

COMPHRENA - Globe Amaranth

An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates. Rubra. 30 in. Magenta-purple. A bright deep shade. Mixture of colors.

Prices on the above variety and mixture, each:
Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

GREVILLEA

Robusta (Australian Silk Oak). Popular for specimen or combination work. Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.75.

GYPSOPHILA ELEGANS

These are always in demand for mixing with other cut flowers.

Covent Garden Market Reselected. 2 ft. An improved giant pure white. Tr. pkt., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

Grandiflora Alba, London Market. The largest flowered pure white Gypsophila. Tr. pkt., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

Elegans Carmine. Same habit as others, but with bright carmine-pink flowers. Rather small flowered. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

GYPSOPHILA - Baby's Breath

(Perennial)

Pacifica. Pink variety of strong growth blooming later than Paniculata. 4 ft. Tr. pkt., 30c; ¼ oz., 50c.

Paniculata. Small, white flowers about 50 per cent double. An excellent strain for drying. Tr. pkt., 35c; ¼ oz., 65c.

Repens, White. Dwarf trailer with masses of small white flowers. 6 inches. Tr. pkt., 30c; ¼ oz., 50c.

HELICHRYSUM

The popular double Strawflower.
Choice Mixed. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., 90c.

HEUCHERA - Coralbells

(Perennial)

Sanguinea. 24 in. Crimson. An attractive garden plant with some value for cutting. Tr. pkt., 50c; 1/16 oz., \$1.00.

HOLLYHOCKS

(Perennial)

Triumph. Double mixed. Flowers waved and fringed. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.50.

CHATER'S DOUBLE

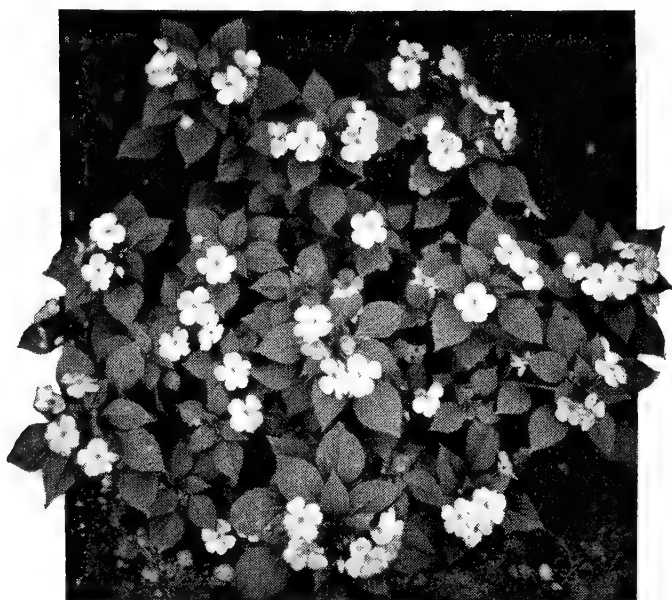
Scarlet	Newport Pink
Deep Rose	White
Maroon	Mixed
Yellow	

Each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

HOLLYHOCKS

(Annual)

Indian Spring. Starts to bloom 5 months from seed sowing and continues until frost. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.



Impatiens, Sultana Hybrids

HUNNEMANNIA

Sunlight. Semi-double. Tr. pkt., 20c; $\frac{1}{4}$ oz., 40c.

IMPATIENS

Provide splendid pot plants. Also useful for porch boxes. Will succeed in partial shade. Tr. pkt.

Sultana Hybrids, Mixed\$0.50

Sultana Carmine50

Ipomoea See Morning Glory, page 18.

KALANCHOE

Blossfeldiana (Globulifera Coccinea). A succulent plant that is very easy to cultivate. The flowers are similar to Bouvardia in form, and in color they are very bright scarlet50

ANNUAL LARKSPUR
NEW SUPREME LARKSPUR
The Ideal Cut Flower Strain

This is by far the most desirable and florist's favorite because of its especially clear colors, uniform in height, and long well-filled flowering spikes, closely covered with fully double flowers and large individual florets.

Dark Blue Supreme. Here is a truly fine rich violet-purple.

Lilac Supreme. A pleasing shade of clear lilac; a beautiful new color of outstanding merit.

Pink Supreme. One of the most desirable florist colors. It is a clear rose-pink.

Rose Supreme. For the first time we have a clear, pure deep rose.

Salmon Supreme. The most desirable and most striking Larkspur; a true shade of real salmon.

White Supreme. A real white Larkspur; gigantic broad-petalled flowers, truly as pure as the driven snow.

Supreme Mixture. Using the above in the right proportion.

Each of the above:

Trade pkt., 35c; $\frac{1}{2}$ oz., 65c; 1 oz., \$1.15; $\frac{1}{4}$ lb., \$4.00; lb., \$15.00.

LAVANDULA

Vera, Munstead Strain\$0.35 Tr. Pkt. $\frac{1}{4}$ Oz. \$1.00

LARKSPUR SUPER MAJESTIC

Long tapering lateral branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers.

Lavender

White

Rose-Pink

Majestic Mixed

Tr. pkt., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.50.

LARKSPUR

TALL BRANCHING DOUBLE STOCK
FLOWERED, 4 Feet

The tall double Stock-flowered are best suited for outdoor planting. Seed sown latter part of September usually winters over well in our latitude.

Dark Blue. Fine dark blue. **Rosamond.** Rose-pink.

Empress Rose. Select rose. **Salmon-Rose.** Clear rose.

La France. Salmon-pink.

White. Pure white.

Los Angeles. Salmon-rose.

Lilac Improved.

Mixed. Best mixed.

Tr. pkt., 25c; oz., 75c; $\frac{1}{4}$ lb., \$2.50; lb., \$9.50

LARKSPUR

Imperial or Base Branching

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plant. Best for indoor forcing, also good outdoors.

Blue Bell. Azure-blue.

Blue Spire. Very deep violet-blue.

Carmine King. Carmine-rose.

Exquisite Rose. Soft rich pink.

Gloria Improved. Deep salmon-rose.

Lilac King. Rich lilac, fully double.

Lilac Spire. Lilac.

Los Angeles Improved. Fine pink on salmon.

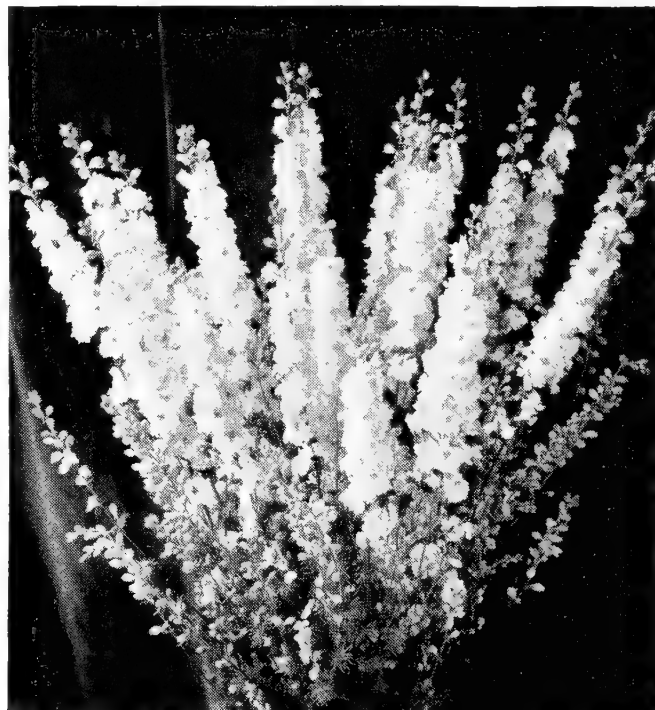
Pink Perfection. Light salmon-pink.

Rose King. Rich rose.

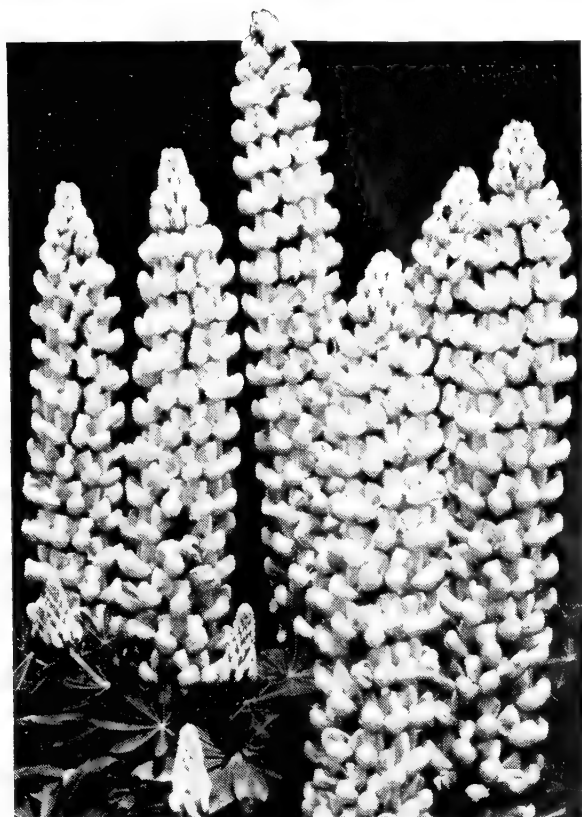
White King. Immense spikes, pure white.

Extra Choice Mixed.

Prices above varieties: Tr. pkt., 25c; oz., 85c; $\frac{1}{4}$ lb., \$3.00; lb., \$10.50.



Larkspur



Lupinus Polyphyllus
Russell Mixture

LINARIA MAROCCANA

Fairy Bouquet (Miniature Snapdragon). 10 inches. Flowers very early and freely. Tr. pkt., 20c; ¼ oz., 40c.

LINUM - Flax (Perennial)

Perenne (Blue Flax). Pale blue, round-shaped flowers on slender stems, height 18 inches. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Grandiflorum Rubrum (Crimson Flax). 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. Tr. pkt., 15c; ¼ oz., 25c.

LOBELIA

	Tr. pkt.	¼ oz.
Crystal Palace Compacta . 4 inches, ultra-marine-blue. The best for edging; dark foliage	\$0.25	\$0.60
Emperor William . Deep blue with light green foliage .....	.25	.65
Mrs. Clibran . Deep blue, white eye, dark foliage .....	.25	.65
Sapphire . For hanging baskets, large, deep navy-blue with white eye .....	.25	.65

LOBELIA, PERENNIAL

	Tr. pkt.	¼ oz.
Cardinalis . Deep cardinal-red spike. August flowering	\$0.35	\$0.75

LUPINUS (Annual Lupines)

The annual varieties are popular cut flowers and excellent for forcing.

	Tr. pkt.	Oz.	¼ lb.
Hartwegii Giant, King Blue	\$0.20	\$0.75	\$2.50
Hartwegii Giant, King White ...	.20	.75	2.50
Hartwegii Giant, Sky-Blue .....	.20	.75	2.50
Hartwegii. Mixed Colors .....	.20	.50	1.75

LUPINUS - Polyphyllus (Hardy Lupine)

Fine for cutting. Requires a well-drained location and thrives best in cool climate.

	Tr. pkt.	¼ oz.	Oz.
Dark Blue	\$0.20	\$0.40	\$1.25
Rose .....	.25	.50	
Harkness Regal Mixture . The standard fine hybrid mixture ..	.20	.40	1.25
Russell Strain . Unusually long closely set flower spikes and the widest range of attractive colors found in hardy Lupines .....	.30	.50	1.75

LYCHNIS

(Perennial)

	Tr. pkt.	¼ oz.
Chalcedonica . Fine scarlet flowers. 2 ft. ..	\$0.25	\$0.50
Salmon Queen . Salmon-pink .....	.25	.65

MARIGOLD - Tagetes

Tall African, Double Fistulosa 3 Feet

An especially fine tall branching strain, bearing enormous flowers of the quilled type; valuable for cutting.

Orange All-Double. A strain of African Marigold which has come about 95% double. A superior strain for cutting. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75.

All-Double Lemon. Same trueness to double type as All-Double Orange. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75.

Burpee Gold. An odorless Guinea Gold, same deep golden orange color but considerably earlier. Fine for a spring greenhouse crop or for outdoor cutting if not too hot. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.60

All-Double Mixture. Mixture of above All-Double varieties. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Mission Giants

Goldsmith. The best version of the Chrysanthemum-flowered Marigold. Globular flower with incurved petals, borne on long base branching stems. 3 ft. tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.75.

Mission Giant Yellowstone. Bright, rich, clear, yellow counterpart to Goldsmith, with large 2½ inch flowers on luxurious, large plants. Flowers are of double, incurved, Chrysanthemum-like form. Uniformly 3 to 5 feet tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.75.

Sunset Giants. This is a mixture ranging from deep orange through golden orange. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.



Marigold, Mission Giant Goldsmith

MARIGOLD (Continued)

African, Double Carnation-Flowered

2½ Feet

This new type produces practically 100 per cent double plants. The loose, informal flowers are fluffy in appearance and very popular for cutting.

Crown of Gold. New collarette type. Color golden orange. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

Guinea Gold. Attractive deep golden orange flowers, 2 to 3 in., and very freely produced; fine for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Yellow Supreme. Bright lemon-yellow, loose petaled flower. Not quite as long stemmed as Guinea Gold. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Double Carnation-Flowered Mixed. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

Dwarf French Double

Butter Ball. Most attractive, very compact, Scabious-flowered, canary-yellow. Only 6 to 10 inches tall, uniform, very early. Tr. pkt., 20c; ¼ oz., 30c; oz., \$1.00.

Golden Ball. The color is a glowing golden yellow. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Lemon Ball. A lemon-yellow, fine for pot combinations. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Spotlight. 12 to 14 inches high. Very compact. Color a brilliant yellow shade with striking velvety dark mahogany-red guard petals. Tr. pkt., 20c; ¼ oz., 40c.

"Melody". Growing 12 to 15 inches high, and literally covered with golden yellow, Harmony type flowers. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

Harmony Hybrids. Compact habit combined with early free flowering character makes this an outstanding introduction. Orange and yellow shades with blotched and striped combinations. Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.50.

Improved Harmony. Medium size Scabious-like double flowers. Deep orange center with maroon-red outer petals. 14 to 18 in. Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

Spry. Dwarf, compact plants about 9 inches high and spreads 15 inches, having a bright yellow center with several rows of mahogany-red guard petals. Early flowering. Tr. pkt., 20c; ¼ oz., 45c; oz., \$1.50.

Sunkist. (New). A bright golden orange. All-America winner 1943. Typical Harmony flowers with crested centers. Uniformly dwarf. Tr. pkt., 20c; ¼ oz., 45c; oz., \$1.50.

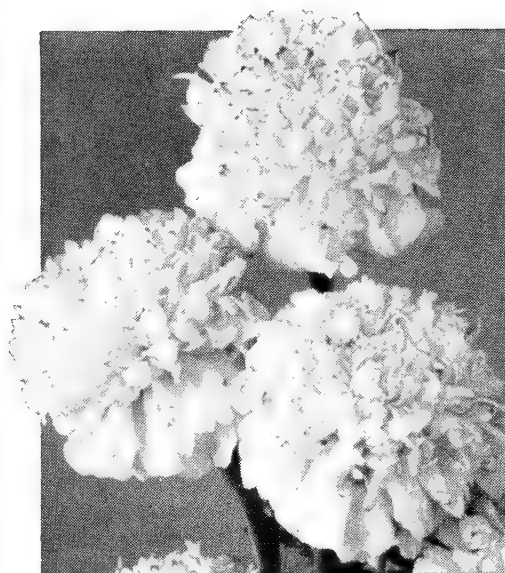
Orbit. Color deep golden yellow background reddish brown guard petals. Fine for bedding and border. Tr. pkt., 20c; ¼ oz., 45c; oz., \$1.50.

Yellow Pigmy. Lemon-yellow. 8 in. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Dwarf French Double Mixed. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.



Morning Glory—Clarke's Heavenly Blue



Marigold, Butterball

Dwarf French Single 1 Foot

Tr. pkt. ¼ oz. Oz.

Legion of Honor (Little Brownie.)	\$0.20	\$0.40	\$1.25
Tagetes signata pumila. Very dwarf orange .....	.20	.30	1.00

Tall French, Winter Flowering

Grow in Carnation house temperature.

Tr. pkt. ¼ oz.

Lieb's Winter Flowering. Mahogany-brown with golden yellow crested center	\$0.20	\$0.35
Winter Harmony. Bright orange crest with reddish guard petals .....	.20	35

MATRICARIA - Feverfew

(Perennial) Fine for Cut Flowers

Tr. pkt. ⅛ oz. ¼ oz.

Ball's Double White. Extra	\$0.35	\$1.00	\$1.75
Dwarf Double Golden Ball .....	.25	.50	

MIGNONETTE - Reseda Odorata

Tr. pkt. ¼ oz.

Machet, Golden Goliath. True gold color	\$0.15	\$0.40
Machet Giant Flowering Selected15	.40
Machet Rubin. Coppery scarlet15	.25

MIMOSA - Sensitive Plant

Pudica25
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MIMULUS

Moschatus (Musk Plant)35
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MORNING GLORY - Ipomoea

Tr. pkt. Oz.

Clarke's Heavenly Blue. A beautiful shade of belladonna-blue flowers	\$0.20	\$0.65
Scarlett O'Hara. Rich dark wine-red or deep crimson .....	.25	1.00
Pearly Gates. Large flowered pure white. ....	.25	1.00

Blue Star. An entirely new color in Giant Morning Glories, a distinct shade of clear sky-blue accentuated by the five deeper blue midribs to form an attractive star, a truly outstanding and most attractive shade. Tr. pkt., 20c; ¼ oz., 45c; ½ oz., 85c; oz., \$1.50.

MOONFLOWER

Oz. ¼ lb.

Noctiflora. Large white	\$0.30	\$0.90
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MYOSOTIS

See Forget-Me-Not, page 15.

NASTURTIIUM, DOUBLE

Double Scarlet Gleam. Dazzling fiery orange-scarlet.

Double Golden Gleam. Especially adapted for window box culture.

Glorious Gleam Hybrids Finest Mixed.

Each: $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 75c.

NEMOPHILA

Insignis. Blue. Baby Blue Eyes. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c.

NICOTIANA - Flowering Tobacco

Crimson Bedder. 15 in. Makes a very compact growth and very free flowering. Deep crimson-red. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c.

White. 36 in. Tall and large flowered. Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c.

Nicotiana Hybrids, Mixed. Tr. pkt., 35c; $\frac{1}{4}$ oz., 50c.

NIEREMBERGIA

Tr. pkt.

Purple Robe. A fine dwarf deep violet-blue, blooms in 15 weeks from seed\$0.40

Hippomanica. An attractive lavender-blue, suitable for outdoor bedding. 6 to 8 in.40

GIANT PANSIES

Steele's Jumbo Mixed. This superb strain of Pansies is of largest size, richest and most varied colors. Most desirable for cutting; ideal for selling in baskets. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$2.75; $\frac{1}{4}$ oz., \$5.00; $\frac{1}{2}$ oz., \$8.50; 1 oz., \$16.00.

Steele's Butterfly Hybrids. A select new ruffled Pansy. Fine color selections mixed. 300 seeds, \$1.00; 800 seeds, \$2.00; 1/16 oz., \$3.25.

Super Swiss Giants Mixed. Grand in size, form, color and substance, blotched and beautifully marked. Plants low and compact. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.50; oz., \$9.50.

Canadian Giants. This selection from Maple Leaf Giants contains some of the largest flowers in Pansies. Tr. pkt., 90c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

Separate Colors

Alpenglow. Rich garnet shades.

Berna. Dark velvety violet-blue.

Coronation Gold. Large golden yellow.

Grand Duke Michel. Pure white.

Madame Steele. Royal purple.

Ullswater (Lake of Thun.) Marine-blue.

Rheingold. Deep golden yellow color with blotches.

Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75.

PENTSTEMON, BEARD TONGUE

(Perennial)

Large bell-shaped flowers; blooms June to August; fine for the flower border and for cutting; can be forced in a cool greenhouse. Tr. pkt.

Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft.\$0.25

SELECTED PETUNIAS

Our Petunia seeds are of the finest quality, grown by the best growers in California, from selected plants, and are hand pollenized; no matter how careful the selection, you sometimes will find a few plants which revert to the old type; these usually bloom first. This is a natural habit of Petunias.

ALL-DOUBLE DWARF (Victorious) Fringed

All-Double Petunia is very short, offered subject to prior sale.

Again available this fall, a fine Mother's Day pot plant; seed due to arrive end of October.

Blue Brocade. Profuse bloomer of true violet-blue.

Orchid Beauty. A clear light blue of good substance.

Pure White. Large well-fringed flowers of the purest white.

Rosy Carmine Improved (World Beauty). Uniformity of growth and a brighter rose color.

All-Double Dwarf Giant Fringed Mixed (Victorious)

Each of the above:

$\frac{1}{2}$ Tr. pkt., (400 seeds), \$2.00; Tr. pkt., (800 seeds), \$3.50.

AII-DOUBLE AMERICA

America is the all-double type, of medium size, 100 per cent Carnation-flowered, and rose-pink in color. An abundant bloomer from early summer to frosts; for bedding and pots. Uniform and true. $\frac{1}{2}$ tr. pkt., \$1.35; tr. pkt., \$2.50.

COLOSSAL SHADES OF ROSE

The first Giant All-Double Petunia produced in America. These giant double blooms are up to 5 inches or more across on vigorous compact plants, and are especially valuable for pot plants. This blend of colors comes in rich rose shades, from salmon-pink through rosy pink. $\frac{1}{2}$ tr. pkt., \$1.75; tr. pkt., \$3.00.



Giant Pansy

SELECTED PETUNIAS—(Continued)

SINGLE PETUNIAS
Dwarf Giants of California

A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats. This dwarf class makes particularly fine 3 and 4-inch pot plants for spring business. Seed for this purpose should be sown in January.

Rosie. Rich rose, shading to deeper rose in the open throat. Very compact and large flowered. A perfect florist variety. ½ tr. pkt., 60c; tr. pkt., \$1.00; 1/32 oz., \$2.75.

Dwarf Giants of California Select Mixed. This is the best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors. ½ tr. pkt., 75c; tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.50; 1/16 oz., \$8.00.

Dwarf Giants of California, Ramona Strain, Dark and Light Shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open, well marked throats. ½ tr. pkt., 60c; tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.20.



Dwarf California Giants

DWARF RUFFLED GIANTS

Martha Washington. Delicate rose, center veined rich wine-red, ruffled 3 in. blooms. Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.25.

Dwarf Ruffled Little Giants Mixed. This type has medium sized, well ruffled and fringed flowers grown on compact plants, 8 to 10 inches tall. An excellent pot item for florists or can be grown for bedding plants. Tr. pkt., 75c; 1/32 oz., \$2.00.

Dwarf Ruffled Garden Giants. The outstanding feature of this new variety is its satisfactory plant growth. The plants uniformly develop into well rounded mounds 12 to 15 inches high. They start flowering when extremely small and continue their gorgeous display all through the summer. The mixture includes a wide variety of bright color combinations. Tr. pkt., \$1.00; 1/32 oz., \$2.50.



Petunia, Ruffled Garden Giants

LARGE-FLOWERING DWARF FRINGED
SINGLE DWARF FRINGED - 10-inch

For neat compact growth and richly fringed flowers, this class is most valuable for use as pot plants. Also highly attractive for bedding. Tr.pkt. 1/64 oz.

Elk's Pride Dwarf. Extra dwarf with large single fringed flowers of velvety violet.	\$0.50	\$1.25
Lace Veil. Pure white, large flowers, free flowering .....	.50	1.50
Setting Sun. Brilliant deep rose, dark throats, very free flowering .....	.50	1.50
Dwarf Fringed Mixed .....	.50	1.25

Large-Flowering Ruffled Grandiflora

Generally more robust than the fringed and larger flowered—excellent for bedding. Flowers 3 to 4 inches in width. Height, 12 inches. Tr.pkt. 1/32 oz.

Elk's Pride. Largest and best velvety purple	\$0.50	\$2.00
Burgundy. Burgundy or dark wine-red ..	.50	1.75
Flaming Velvet. Velvety blood-red .....	.50	2.00
Pink Triumph. Clear rose-pink .....	.50	2.00
Pride of Portland. A shade lighter than Pink Triumph, with a white throat and somewhat more dwarf .....	.50	2.25
Purple Prince. Velvety purple with attractively fringed petals. A fine variety ...	.50	2.00
Snow Storm Improved. A fine white, dwarf, compact excellent variety .....	.75	2.75
Theodosia Improved. Largest rose-pink with golden throat, fringed .....	.50	2.50
White Cloud. An effective all purpose dwarf white with nicely ruffled flowers. Particularly well liked for pot work ..	.50	2.00
Fringed. Choice mixed .....	.50	1.75
Ruffled Monsters Exquisite Mixed .....	.50	1.75

SELECTED PETUNIAS—Continued

Compact Dwarf Bedding

Admiral. Most attractive dwarf blue bedding Petunia. Flowers are ruffled, adding greatly to their distinctiveness. Tr. pkt., 50c; 1/32 oz., \$2.00.

Blue Bird. Another good medium violet-blue for bedding. Tr. pkt., 30c; 1/8 oz., 50c; 1/4 oz., 75c.

Celestial Rose Re-selected. Definitely superior to the regular Celestial Rose, slightly dwarfier in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

English Violet. A pleasing shade of rosy violet-mauve, with the same vigorous type of growth as Celestial Rose. Tr. pkt., 35c; 1/8 oz., 75c.

Glowing Rose. The intense brilliance of this new low growing Petunia makes it the most conspicuous of all the single bedding Petunias. The plants are mound-shaped and of unusual uniformity, completely covered with glowing rose flowers. Tr. pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.50.

Glow. Bright rose-red, with lighter throat. Dwarf, compact ball-shaped. Very free flowering and true to type. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

King Henry. Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. Tr. pkt., 50c; 1/32 oz., \$1.25.

Rose of Heaven Improved. The best strain on the market for borders and bedding. Perfectly uniform, fine rose-pink color; dwarf habit. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.00.

Rosy Morn Improved. Differs from the original in that the rose coloring is stronger and deeper and habit some stronger. Quite uniform and distinct in every way. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 85c.

Salmon Supreme. Dwarf light salmon-rose. An attractive and rather striking color. Tr. pkt., 50c; 1/16 oz., \$1.00.

Silver Blue (Heavenly Blue.) Reselected rich light blue, compact habit and truer than most strains. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Snow Queen. Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Topaz Queen. A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Medium large flowered and striking whether used for bedding or in pots. Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Velvet Ball. Dwarf compact plants with velvety blood-red blooms. Tr. pkt., 50c; 1/32 oz., \$1.25.

Violacea. Deep violet, dwarf, with a bright blue cast. A new color in the nana compacta type. Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Nana compacta Mixed. A well balanced mixture. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 85c; oz., \$3.00.



Petunia, Dwarf Fringed



Celestial Rose Re-selected

Petunia, Balcony Pendula

Highly suitable for window boxes. Tr. pkt. 1/8 oz.

Cornflower Blue. A violet-blue	\$0.25	\$0.75
Black Prince. Deep rich velvety crimson	.25	.75
Rose. Fiery rose, select strain .....	.25	.75
Star of California. Violet, white star ....	.25	.85
Violacea. Fairly dwarf deep purple .....	.25	.75
White. Pure white .....	.25	.75
Balcony Mixed .....	.25	.65

Petunia Hybrida, Bedding

This class is of vigorous growth and for this reason is suited to outdoor bedding where summers are most trying.

Blue Bee. Blue of Jersey Gem Viola. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 75c.

Flaming Velvet. Rich brilliant velvety blood-red or crimson flower. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00.

General Dodd. This is a velvety blood-red, but differs in the growth. In height this does not exceed 10 inches. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 90c.

Howard's Star Improved. Medium tall velvety purple with white star. Highly attractive and popular for bedding. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

White King. Pure white. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Radiance. A very brilliant and rich rose or cerise color, veined yellowish throat. Blooms very early and profusely, of uniform height and branching nicely. Tr. pkt., 30c; 1/8 oz., 70c; 1/4 oz., \$1.25.

Rose King Improved. Large flowered, rich rose. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Topaz Rose. Brilliant deep carmine-rose; about same color as Topaz Queen. Tr. pkt., 30c; 1/4 oz., 75c.

Violacea. Rich violet, compact and dwarf. The finest dwarf violet. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 75c.

Choice Bedding Mixed. A very choice mixture which contains a splendid blend of color. Tr. pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

PHLOX

Drummondii Nana Compacta

Dwarf type for growing in pots or bedding.
Dwarf Fine Mixed. Tr. pkt., 35c; ¼ oz., 90c; oz., \$3.25.
Cecily Mixed. Large flowering. 8-inch. Tr. pkt., 35c; ¼ oz., 90c; oz., \$3.25.

DRUMMONDI GRANDIFLORA

Beautiful summer flowering annual. Also a desirable cut flower.
Special Mixed. A mixture of tall varieties. Tr. pkt., 25c; ¼ oz., 75c; oz., \$2.50.

Phlox Drummondii Gigantea

A strain of Phlox Drummondii with flowers an inch and a quarter to an inch and a half in diameter. It has a most wonderful range of color.
Red Glory. A bright scarlet-red with large contrasting white eye.
Rosy Morn. A particularly bright, clear rose-pink.
Salmon Glory. Pure salmon-pink with creamy white eye.
Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.
Tr. pkt., 35c; ⅛ oz., 50c; ¼ oz., 90c; oz., \$3.50.

PLATYCODON Tr. pkt. ¼ oz.

Grandiflorum. Large steel-blue flowers ..\$0.30 \$0.75

POPPIES

Poppy, Iceland (Nudicaule)

Tr. pkt. ¼ oz.
El Monte. Deep tangerine-orange. 2 ft. ..\$0.35 \$0.75
Empress. The colors range through lovely shades of salmon-rose and creamy pink35 .75

PAPAVER ORIENTALE - Oriental Poppy

The named varieties of Oriental Poppies do not come entirely true from seed. Tr. pkt. ¼ oz.
Brilliant. Brilliant fiery red; 40 in.\$0.35 \$0.75
Beauty of Livermere. Dark oxblood35 .85
Mixture of All Colors25 .60



Portulaca Grandiflora, Single



Phlox Drummondii—Gigantea Art Shades

POPPIES Annual

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water.
Tr. pkt. Oz.
Shirley Finest Single Mixed\$0.15 \$0.60
American Legion. Single orange-scarlet .. .15 .60

PORTULACA - Moss Rose

A very excellent plant for dwarf bedding or border work. Very easily grown. Tr. pkt. ¼ oz. Oz.
Grandiflora Double Mixed\$0.25 \$0.75 \$2.25
Grandiflora Single Mixed25 .50 1.50

PRIMULA OBCONICA Tr. pkt.

Fasbender's Red. Extra large deep crimson\$1.00
Mueller Atrosanguinea. Lighter shade 1.00

PRIMULA MALACOIDES

NEW GIANT SINGLE (BODGER'S)

Tr. Pkt.
Enchantress. Single salmon-rose\$1.50
Lavender Glory. Single soft mauve-lavender 1.00
Snowflake. Single pure white 1.00
Sweetheart. New distinct bicolor. Bright salmon-pink bordered with wide band of white softly flushed flesh-pink 1.50
New Giant Malacoides Mixture 1.00



Primula Obconica



Scabiosa, Blue Moon

PYRETHRUM (Perennial)

One of the really good hardy perennials, valuable alike for cutting or planting in the hardy border.

	Tr. pkt.	1/8 oz.	
James Kelway. Fine bright red			
..... 1/4 oz., \$1.25..	\$0.50	\$0.75	
Robinson's Giant Hybrid Red. Fine for cutting	1/4 oz., \$1.25..	.40	.75
Semi-Double Mixture. Excellent	1/4 oz., \$1.25..	.40	.75
Hybridum, Single. Large flowering. Mixed	1/4 oz., \$1.00..	.35	.60

RICINUS - Castor Oil Plant

	Tr. pkt.	Oz.	1/4 lb.
Crimson Spire. 8 ft. Crimson stems and foliage	\$0.15	\$0.35	\$0.90
Zanzibariensis, Mixed .....	.10	.25	.75

RUDBECKIA

(Pernennial)

	Tr. pkt.	1/4 oz.
Purpurea (Giant Purple Coneflower) ...	\$0.35	\$0.75

SALVIA SPLENDENS

We fully realize the importance of Salvias to florists and are careful to arrange for our stock with an American specialist who supplies only fine plump seed.

	Tr. pkt.	1/4 oz.	Oz.
America (Globe of Fire). Plants grow about 18 inches high ...	\$0.35	\$1.10	\$4.00
Blaze of Fire. The earliest and most dwarf red strain available. About 12 in. high .....	.50	1.50	5.50
Clara Bedman (Bonfire.) Erect habit—the old standby. 18 in. ...	.35	1.10	4.00
Harbinger (Firebrand.) Northern grown seed. Of uniform type, about 15 inches high; free and early flowering .....	.35	1.10	4.00
Rocket. 14 in. Early flowering ..	.50	1.25	4.75
Farinacea (Blue Bedder). 36 in. Perennial but best known as an annual. Deep blue flowers ....	.30	.75	2.50

SALPIGLOSSIS

Some very attractive colors for summer cutting and spring flowering under glass. Tr. pkt. 1/4 oz.

Emperor. Extra choice large flowering mixture	\$0.20	\$0.45
Light Blue and Gold Improved. ....	.20	.45

SAPONARIA

Tr. pkt. 1/4 oz.

12 in. Trailing Rose; hardy rock plant ..\$0.25 \$0.65

SCABIOSA

Choice long-stemmed annuals for summer cutting.

	Tr. pkt.	Oz.
Blue Cockade. Deep azure-blue	\$0.15	\$0.50
Blue Moon. Rich deep lavender-blue ....	.15	.65
Loveliness. Salmon-rose .....	.15	.50
Shasta White .....	.15	.50
Giant Hybrids Mixed .....	.15	.50

Scabiosa (Perennial)

Excellent perennial cut flower material. Larger flowered than the popular annual form, perfectly hardy, and early flowering. Seed germination sometimes slow and irregular. Tr. pkt. 1/4 oz.

Caucasica, House Hybrids. Lavender and blue shades.....	\$0.40	\$0.90
Columbaria, Lavender. Delicate color ...	.35	.75
Choice Mixed .....	.30	.65

SCHIZANTHUS

(Butterfly Flower)

Tr. pkt.

Giant Flowering Hybrids. Select large flowered hothouse strain	\$0.35
Compactus, Mixed. The plants grow dwarf and compact .....	.35

SHAMROCK

True Irish Shamrock. Sow Jan. 1st; Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.20.

SOLANUM - Jerusalem Cherry

Tr. pkt. 1/4 oz.

Hlavacek's Masterpiece. A compact type, red	\$0.25	\$0.75
Capsicastrum Nanum. Small red fruit ...	.35	
Cleveland Cherry .....	.25	.75

STATICE, PERENNIAL

	Tr. pkt.	1/4 oz.	Oz.
Caspia. Perennial. Large lilac	\$0.25	\$0.50	\$1.75
Dumosa. Clear silvery white ....	.25	.60	2.00
Latifolia. Small purplish blue ....	.25	.50	1.50



Salvia

STATICE SINUATA

Statice

The seed of annual Statice is of irregular germination.

Kampf's Tall Improved. Deepest blue. Tr. pkt., 15c; oz., 50c.

Lavender Queen. Tr. pkt., 15c; oz., 50c.

Rosea Superba. Tr. pkt., 15c; oz., 50c.

Yellow (Bonduelli.) Tr. pkt., 15c; oz., 50c.

Choice Mixed. Tr. pkt., 15c; oz., 40c.

STOCKS

NON-BRANCHING COLUMN

Immensely fully double close-spaced flowers, one 2 to 2½ ft. spike per plant. This strictly non-branching strain is in very great demand by florists.

White Giant. New. This remarkable Giant Column Stock has been specifically bred and selected for the cut flower grower. White Giant has lots of height, it also has an enormous flower spike closely packed with fully double individual florets 2¼ to 2½ inches in diameter.

American Beauty. Deep American-Beauty-rose.

No. 16 Ball White Improved. Finest early pure white, with extra large florets.

Ball Supreme. Extra long, stiff stems and fine heavy spikes of rich silvery rose.

Ball's White. Sometimes tinged blush.

Blue. Rather deep lilac. Fine color.

Chamois-Pink. Apricot or chamois-pink.

Lilac-Lavender. A very attractive, clear, bright lavender.

Purity. Large flowered, pure white.

Rose-Pink. This is the popular clear rose.

Ruby. Rich crimson-red.

Exquisite Mixed. A well balanced blend.

Any of the above: Tr. pkt., \$1.00; ¼ oz., \$2.50; oz., \$9.00.

IMPERIAL IMPROVED BISMARCKS

An especially meritorious class; of branching habit. Very early blooming and producing a high percentage of doubles. 2½ ft. Suitable for greenhouse culture or growing out-of-doors.

Chamois. Ivory tinted rose. **Lavender.**

Elk's Pride. Rich purple. **Lilac.** Lilac-lavender.

Flesh. Delicate pink. **Rose.** Deep rose-pink.

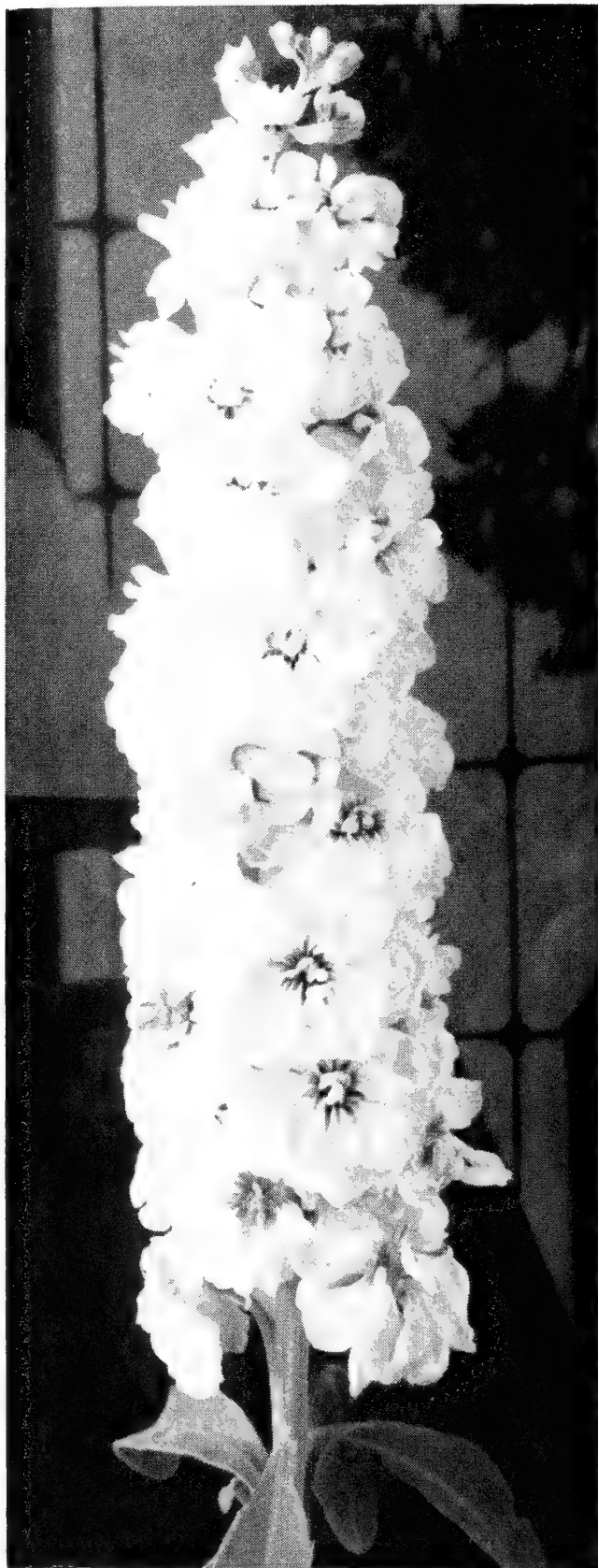
Fiery Blood-Red. **Santa Maria.** Giant white.

Choice Mixed. Very double.

Any of the above: Tr. pkt., 35c; ¼ oz., \$1.00; oz., \$3.25.

SWEET WILLIAM (Annual.)

Annual Single Mixed. Blooms from seed the first year. Tr. pkt., 20c; ¼ oz., 40c.



Stock, White Giant

SWEET WILLIAM - Dianthus Barbatous

(Perennial)

There is always a good demand for these beautiful, single, free-flowering, old-fashioned favorites.

	Tr. pkt.	¼ oz.	Oz.
Dark Crimson	\$0.25	\$0.50	\$1.75
Holborn Glory .....	.25	.50	1.75
Newport Pink .....	.25	.50	1.75
Scarlet Beauty .....	.25	.50	1.75
White .....	.25	.50	1.75
Single Choice Mixed .....	.25	.50	1.75
Double Choice Mixed .....	.25	.50	1.75
Dwarf Compact Double Mixed .....	.35	.75	2.75

SWEET PEAS

Early or Winter Flowering Spencer



Our listing of Early or Winter Flowering Sweet Peas includes all of the important florist and home garden varieties. These are all exceptionally large flowered and long stemmed.

American Beauty. A rich crimson-rose.
Amethyst. Royal purple.
Apollo. Soft salmon-cerise, long stemmed.
Ball's Rose Improved. Rich deep rose-pink.
Ball Rose Queen. The best rose-pink, long-stemmed.
Ball Orange Improved. Clear deep glowing orange.
Ball White. Large flowered white, white seeded.
Boon. Deep salmon-pink.
Burpee's White. Giant white seeded.
Blue Bird. A magnificent violet-blue.
Bridesmaid. A charming deep silvery pink.
Daphne. Soft salmon-pink; a fine color with long stems.
Fiesta. A new fine orange-cerise, on long stems.
Fragrance. Large frilled lavender flowers.
Harmony. Clear lavender.
Hope. Pure black-seeded white.
Hiawatha. A clear deep rose on white ground; large.
Laddie Improved. Rose.
Mrs. Herbert Hoover. Bright blue; extra long stems.
Mrs. H. S. Reddick. Salmon-pink.
Princess Blue. A belladonna-blue.
Red Bird. Crimson-red.
Sequoia. Rich golden cerise with long, strong stems.
Shirley Temple. A new pink of great value.
Treasure Island. A sparkling shade of golden orange.
Triumph. The color is lovely soft lilac-mauve.
Twilight. Medium clear lavender.
White Harmony. Black-seeded white.
Early Flowering Mixed.

Price, all above: 1 oz., 40c; ¼ lb., \$1.50; 1 lb., \$5.50.

Spring-Flowering Intermediate

Intermediate in season between Early and Standard Spencers, this new type of Sweet Pea; both under glass and out-of-doors.

Blue. Clear medium blue.
Light Blue. Silver-blue.
Lavender. Soft rosy lavender.
Rose-Pink. Similar in color to Laddie.
White. Excellent pure white.
Mixed All Colors.

Each of the above: Oz., 40c; ¼ lb., \$1.25; lb., \$4.50.

THUNBERGIA - Black-Eyed Susan

Tr. pkt. ¼ oz. Oz.

Mixed. Trailer for window and porch boxes .. ¼ lb., \$3.00..\$0.20 \$0.30 \$0.90

TORENIA FOURNIERI

Flowers are sky-blue, blotched dark blue with yellow centers Tr. pkt., \$0.40

TRITOMA - Red Hot Poker

3 Feet

Tr. pkt. ¼ oz.

Hybrida Mirabilis. Blooms first year\$0.25 \$0.50

VALERIANA

Valeriana Fine Mixed. Pkt., 25c; ¼ oz., 40c; ½ oz., \$1.25.

VERBENA Hybrida Grandiflora

A magnificent strain of robust, compact habit and free blooming.

Beauty of Oxford Hybrid. Beautiful rose-pink.

Blue. White eye.

Lavender Glory. Variable in color. Blue with white eye.

Royale. Royal blue, creamy yellow eye.

Luminosa. Fiery pink shading to salmon.

Spectrum Red. Vivid crimson.

White. Fine.

Grandiflora Mixed.

Prices of above varieties:

Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.25.

VERBENA BUSH TYPE

Salmon Queen. The first of a new type of large flowered Verbena of an upright habit. We have classified this as a bush type, which is descriptive of the growth habit. Broad, flat-topped, bushy plants are about 8 to 10 inches high. Tr. pkt., 35c; ¼ oz., 90c; ½ oz., \$1.75.



Verbena

VERBASCUM

	Tr. pkt. 1/4 oz.	Oz.
Harkness Hybrid. Sulphur-yellow.		
3 ft.	\$0.30	\$0.45 \$1.50

VERONICA - Garden Heliotrope
(Perennial)

Spicata. Bright blue. Fine for bouquets. Tr. pkt., 25c;
1/4 oz., 60c; 1/2 oz., \$1.15.

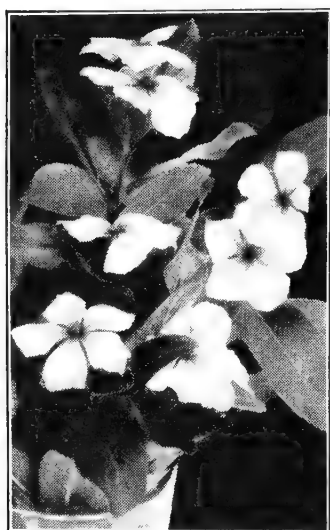
VINCA ROSEA - Periwinkle

This seed should be sown early to secure salable plants for spring.

	Tr. pkt. 1/4 oz.	Oz.
Rosea alba. White, rose center ..	\$0.35	\$0.75 \$2.50
Alba pura. Pure white.....	.35	.75 2.50
Rosea. Pink .....	.35	.75 2.50
Mixed .....	.35	.75 2.50

VIOLA - Tufted Pansy

8 inches	Tr. pkt. 1/8 oz.
Arkwright Ruby. Dark crimson-scarlet..	\$0.50 \$1.40
Blue Perfection. Medium clear blue ....	.35 .90
Chantreyland. Best pure apricot .....	.50 1.40
Papilio, Deep Violet .....	.35 .90
Papilio, Light Blue. Blue and white ....	.35 .90
White Perfection. Pure white .....	.35 .90
Mixed .....	.30 .85



Vinca Rosea



Viola Cornuta

ZINNIAS**Bodger's Gold Medal
Giant Double Dahlia-Flowered**

The plants are of medium height, 2 1/2 to 3 ft., very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

Canary Bird. Rich canary-yellow.

Crimson Monarch. Deep crimson, flowers very large.

Dream. Deep rosy lavender.

Exquisite. Light rose, deep rose center.

Golden Dawn. Golden yellow.

Illumination. Deep rose self.

Luminosa. Bright deep pink.

Oriole. Orange and gold bicolor.

Polar Bear. Large creamy white.

Royal Purple. Deep rich purple.

Scarlet Flame. Bright scarlet.

Will Rogers. Loveliest, most brilliant scarlet-red.

Gold Medal Finest Mixed. Grown as separate colors.

Prices of Above Varieties:

Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.00; 1/4 lb., \$3.50.



Zinnias

FLORISTS' ZINNIAS**Bodger's "Gold Medal" Zinnias for
Cut Flowers and Garden**

The plants are of medium height. Very robust. By sowing outdoors in May and as late as August 1st, in well enriched soil and protected with water, they can be had in fine shape right up to frost.

Double Lilliput

The Lilliputs are among the most popular Zinnias for cut flower use. The flowers are small, compact, and symmetrical, on strong stemmed, 1 1/2 to 2 ft. plants.

Canary Gem. Canary-yellow. Rosebud. Rose-pink.

Crimson Gem. Salmon Gem.

Golden Gem. Golden orange. Scarlet Gem.

Lilac Gem. White Gem.

Pastel Mixture. Pastel shades.

Prices of Above Varieties:

Tr. pkt., 25c; 1/4 oz., 35c; 1 oz., 85c; 1/4 lb., \$3.00.

**Elegans Pumila Dwarf Double
(Cut-and-Come-Again)**

Canary-Yellow.

Salmon-Rose.

Crimson.

Scarlet. Bright scarlet.

Pinkie. Rose-pink.

Snowball. White.

Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c; 1/4 lb., \$2.50.

Miscellaneous Types

Gracillima (Red Riding Hood). 1 foot high, splendid for bedding. Tr. pkt., 25c; 1/4 oz., 40c.

Linearis. The plants grow about 1 foot high. The flowers are a beautiful orange-yellow color. Tr. pkt., 25c; 1/4 oz., 50c.

Star Dust. Rich, deep, golden yellow.

Wildfire. Dazzling scarlet.

Crown of Gold Pastel Tints. A mixture of pastel tints and contains a wide color range. Tr. pkt., 25c; 1/4 oz., 40c.

SUMMER FLOWERING BULBS

AMARYLLIS

(Large Flowering Hybrids)

These bulbs will make handsome pot plants for window display during the spring. Light and red shades, mixed.

Doz.	100
Select Bulbs. 2 3/4 inch	\$2.50 \$18.00
Select Bulbs. 3 inch	3.50 24.00

BLEEDING HEARTS

Used extensively as an early spring pot plant. Fine for Valentine's Day. Blooms outdoors in early spring. Hardy.

Doz.	100
3 to 5 Eyes	\$4.75 \$35.00
5 to 8 Eyes	5.75 45.00

BEGONIAS—Tuberous Rooted

With its bright colors, richness of foliage and easy culture it has become a favorite with the public in gardens and homes. Ready Jan. to March. Scarlet, Rose, Salmon, Yellow, White, Dark Red, Mixed.

Doz.	100
Large Bulbs. 2 inches	\$2.40 \$16.00

GLOXINIAS

Doz.	100
Ready Jan. to March. Mixed colors	\$3.00 \$20.00

CALADIUM - Fancy-Leaved

Choice dormant bulbs for January and February delivery. Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.

Fine assortment of highly colored, separate named varieties:

Doz.	Per 100
No. 1, 1 1/2 to 2 inches	\$2.40 \$18.00



Caladium, Fancy-Leaved

LILIUM REGALE

The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 to 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable Lily for outdoor planting.

Per 100	Per case
7- 8 inches—250 to case	\$12.50 \$28.00
8- 9 inches—200 to case	16.00 31.00
9-10 inches—100 to case	26.00 26.00



Amaryllis

TUBEROSES

100	1000
Single Everblooming. Our bulbs are selected from dependable growers	\$5.00 \$45.00

CALADIUM ESCULENTUM - Elephant's Ear

Much used for bordering Canna beds or sub-tropical plantings.

Doz.	100
Selected Size Bulbs. 7 to 9 inches	\$1.50 \$12.00
Extra Large Bulbs. 9 to 11 inches	2.50 18.00

CANNAS (Large Flowering) Dormant Roots

Our Canna roots are strong and healthy. The varieties listed below have proven indispensable where large exhibition showings are needed.

City of Portland. Deep pink. Green foliage. 3 1/2 feet. Extra good flowers.

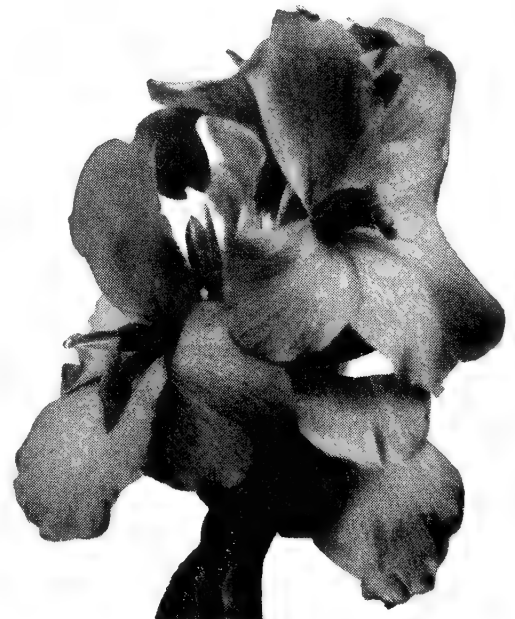
King Humbert. This remarkable Canna is the greatest favorite. Broad, tropical foliage. Scarlet flowers; bronze leaves. 4 feet.

Rosemond Cole. A beautiful crimson with yellow edge. Height 3 1/2 feet; green foliage. 100, \$6.50.

Yellow King Humbert. 4 feet. An orchid-flowering sport of the well-known King Humbert. Flower a deep rich yellow, softly spotted and blotched with bright red. Some plants occasionally give a scarlet or scarlet striped flower.

The President. 4 feet. This immense flaming scarlet has come into wider use more quickly than any other Canna. The President leads the red varieties in the quality and also the quantity of its bloom. The foliage is rich green.

PRICES above Cannas: Per 100, \$6.00; per 1000, \$58.00.



Cannas

GLADIOLUS

For Forcing — Outside Planting

Delivery can be made any time from January 1st to May 15th; and you may be assured that every effort will be made to handle your order efficiently, promptly and to your entire satisfaction. Prices are subject to change. If in need of large quantities, send us your list for a special quotation.

We carry a large stock of No. 2 size. If in the market, please write for market price.

	First Size			First Size	
	100	1000		100	1000
Bagdad. Large, smoky old rose	\$3.00	\$25.00	Peggy Lou. Shrimp-pink with deeper tint of rose. Long flower head, very large florets	\$2.60	\$24.00
Beacon. Red-salmon with cream throat, very tall. Medium early	2.50	20.00	Picardy. The most popular of all Gladioli. Color is a beautiful light salmon. Tall, strong grower with extra large florets	2.60	24.00
Betty Nuthall. Clear coral with deeper throat lines. Excellent cut flower	2.50	20.00	Red Phipps. Tall, nice spike of soft red; eight or more open at one time	3.00	24.00
Blue Beauty. One of the finest medium deep blues. Fine early commercial ..	3.50	30.00	Rosa Van Lima. Pure self colored light pink. Many flowers open at one time	2.50	20.00
Charles Dickens. Purple-violet with deeper throat. Tall, strong grower	3.00	25.00	Silentium. White blending to cream, with carmine marking in throat	4.00	35.00
Corona. Creamy white, cream throat with rosy lavender flecks at edges	4.50	40.00	Snow Princess. A fine large, pure white .	2.70	22.00
Debonair. La-France-pink, cream throat	2.50	20.00	Token. An extra early flame-salmon, clear yellow throat	2.50	20.00
Dr. F. E. Bennett. Peach-red, overlaid with scarlet	2.75	24.00	Valaria. Very large, light scarlet	5.00	40.00
Dream of Beauty. Large rose-red. Good color; strong grower	3.25	28.00	Wanda. Creamy pink sport of Picardy. Like Picardy except color. Midseason	3.50	30.00
Early Rose. Beautiful rose-pink. Fine forcer, very early	3.25	28.00	Florist's Superfine Mixture	2.00	18.00
Elizabeth The Queen. Extra fine new lavender, beautiful ruffled needle point bloom, darker than Minuet. Excellent commercial	4.50	45.00			
Ethel Cave Cole. Large, massive spikes of light pink self color	4.50	40.00			
Flaming Sword. Beautiful brick-red; tall .	2.25	18.00			
Golden Dream. A fine deep, pure yellow	2.00	18.00			
Lady Jane. Clear glistening cream, ruffled	3.50	30.00			
Margaret Beaton. Snow-white with a tiny scarlet eye deep in the throat	3.00	25.00			
Margaret Fulton. Coral-pink, to trifle lighter throat; tall spike. Early	2.00	18.00			
Maid of Orleans. Beautiful milky white with cream throat. Tall, sturdy grower with eight or more flowers open	2.50	20.00			
Minuet. Light lavender with ideal spike. One of the best	4.00	35.00			
Miss Bloomington. Six to eight large, perfectly placed, rich lemon-yellow blooms open at a time. Considered the best yellow variety	2.50	20.00			



VITAMIN-HORMONE STIMULANTS

APP-L-SET

A plant hormone, containing Alpha Naphthyl Acetic Acid, to reduce pre-harvest drop of Apples and Pears. 1/4 pound makes 100 gallons of spray. 1/4-lb. can 50c; case of 24 cans, \$9.60.

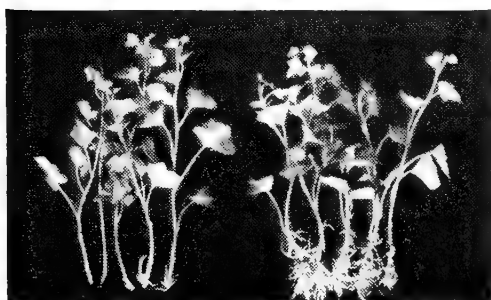
FRUITONE

FOR BETTER SET OF FRUIT OR SEED

More Tomatoes and More Seedless Tomatoes with Fruitone.

This plant hormone spray will help develop a better set and a bigger crop of Tomatoes. If the spray hits the blossoms after blooming and before pollination, the Tomatoes will be seedless. Simple and easy to use. Fruitone also helps grow big berries on berry-bearing shrubs and stops pre-harvest drop on fruit trees. **Dilution:** 2-ozs. to each 25 gals. of water. 2/5-oz. pkt. 25c per pkt.; dozen, \$2.00; 2-oz. can, \$1.00; 12-oz can, \$5.00.

HORMONE POWDERS



Untreated

Treated

HORMODIN POWDER

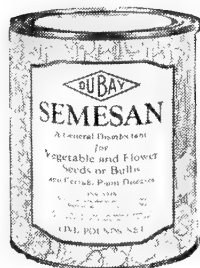
Root Cuttings Faster—Better

No matter what plant you are growing from cuttings, you will have better results if you treat them with Hormodin.

Powder No. 1—Used on most soft wooded subjects grown by florists. 1 3/4-oz. tin, 50c; 1 lb., \$3.00.

Powder No. 2—For more difficult subjects. 1 3/4-oz tin, 75c; 1 lb., \$4.50.

Powder No. 3—Used for hard wooded and hard to root items. 1-oz. tin, \$1.00; 1/2 lb., \$4.50.



MOLITE RODENT KILLER

Molites are the new, improved "Gas" type rodent destroyers—offering a more effective method of controlling moles, rats, gophers, field mice and other underground pests. Packed 3 dozen to a carton, each 15c; doz., \$1.50. Dealer's price, case of 12 doz. \$12.00.

ROOTONE

Reg. U. S. Pat. Off.

HORMONE POWDER FOR CUTTINGS

Rootone, the plant hormone powder, for cuttings, seeds, tubers and bulbs. Just dip the base of the cutting or slip in Rootone, set in sand, and the roots will grow faster and bigger. By dusting seed with Rootone, seedlings grow faster and more uniformly, producing stronger plants and better crops.

1/4-oz. pkg., 25c size, doz. pkgs.\$2.00

2-oz. jars (up to 3,000 cuttings.) 1.00

1-lb. pkg. (up to 30,000 cuttings.) 5.00

ROOTONE No. 10

2 1/2 times stronger than the standard. For woody cuttings. For slow to root Evergreen cuttings.

2-oz jar\$ 2.00

1-lb. can 10.00

TERSAN

A non-mercurial fungicide for golf and lawn turfs, will prevent large brown-patch and dollar spot. 8 ozs., 80c; 4 lbs., \$5.15; 25 lbs., \$30.00; 100 lbs., \$115.00.

TRANSPLANTONE FOR TRANSPLANTING

Transplantone, the hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees and plants in general, take root faster. Produces earlier maturity and larger crops when used on Tomato, Cabbage, Celery, Lettuce, Tobacco and sweet Potato plants. One level teaspoon makes one gallon. Booklet of directions with each package.

3-oz. cans\$1.00 Doz. cans\$8.00

1-lb. cans 4.00

FUNGICIDES FOR SEED, GRAIN, BULBS

NEW IMPROVED CERESAN

A dust disinfectant for Wheat, Oats and Barley. One pound treats 32 bushels of seed. Excellent to control fusarium crown rot and dry rot on Gladiolus. Use at the rate of 1 lb. in 25 gallons of water, plus 5 tablespoons Grasselli Spreader.

1/3 oz.\$0.10

4 ozs.35

1 lb.90

4 lbs. 3.00

SEMESAN

A general disinfectant for vegetables and flower seeds or bulbs, and certain plant diseases.

2 ozs.\$0.45

12 ozs. 2.10

SEMESAN BEL

A dip disinfectant for seed Potatoes. One pound treats from 60 to 80 bushels.

2 ozs.\$0.35

1 lb. 1.85

25-lb. Drum 24.00

100-lb. Drum 93.00

Inoculate all Legume Seeds with

NITRAGIN

1898—FIFTY-ONE YEARS OF SERVICE—1949

When ordering, Always state name of seed

ALFALFA (A)

Swt., Bur, Hubam Clovers

Size Retail

1 bu. each....\$.50

2 1/2 bu. each.... 1.00

CLOVERS (B)

Red, Alsike, Crimson,

White and Ladino.

1 bu. each....\$.50

2 1/2 bu. each.... 1.00

LESPEDEZA (L)

100 lb. size (Inoculates

up to 100 lbs.) ..\$.50

PEAS,

(C)

VETCHES(AllVarieties)

100 lb. size (Inoculates

up to 100 lbs.) ea.\$.50

LUPINES (AllVarieties)

100 lb. Size (Inoculates up

to 100 lbs. seed) ea. \$.50

GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines,

Lima Beans and Edible Soybeans

Enough for 8 lbs. seed — Retail Price 15c each

SOYBEANS (S)

Size Retail

2 bu. each....\$.30

5 bu. each.... .50

25 bu. each.... 2.25

(One can)

30 bu. each.... 2.95

(6-5 bu. cans)

BEANS (D)

Navy, Pinto, Wax,

String, Kidney and

Great Northern

1 bu. each.....\$.35

PEANUTS,

COW PEAS (E)

2 bu. each....\$.30

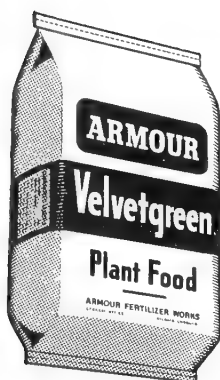
5 bu. each.... .50

30 bu. 2.95

(6-5 bu. cans)

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants



ARMOUR VELVETGREEN

Velvetgreen is a high quality, scientifically blended and balanced plant food, excellent for obtaining more prolific growth of lawns, flowers, shrubs, trees and garden vegetables. It is clean, odorless and easy to apply.

Velvetgreen contains nitrogen, phosphorus and potash, the three major plant foods, in addition to several other elements essential to successful plant germination, growth and health. The formula is recognized by leading nurserymen as best for all types of plants.

1-lb. pkg., \$0.15.	32 1-lb. pkgs. to case, \$ 2.88
10-lb. pkg., .90.	6 10-lb. pkgs. to case, 3.54
25-lb. bag, 1.60.	Per ton 84.00
100-lb. bag, 4.25.	Per ton 58.00



VIGORO COMPLETE PLANT FOOD

Enthusiastic gardeners everywhere attribute their success to the use of Vigoro, complete plant food.

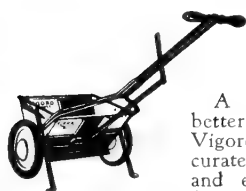
Vigoro supplies all growing things the vital nourishment they require to attain finest growth and beauty.

Your lawn and flowers need nourishment that Vigoro supplies for best growth and maximum beauty. Vigoro works wonders on vegetables too! It helps you grow greater yields of tastier, more nutritious vegetables.

Vigoro is clean, odorless, sanitary and easy to apply. Economical because you need only 4 pounds of Vigoro per 100 sq. ft. to get best results from everything you grow.

Dealers price

1-lb. pkg., \$0.15.	32 1-lb. pkgs. to case, \$ 2.88
5-lb. pkg., .50.	12 5-lb. pkgs. to case, 3.84
10-lb. pkg., .90.	6 10-lb. pkgs. to case, 3.54
25-lb. pkg., 1.50.	Per ton 84.00
100-lb. pkg., 4.00.	Per ton 58.00
Tablets, 48 10c pkgs. to case	..... 2.64



VIGORO SPREADER

A Vigoro spreader assures better results because it applies Vigoro or seed evenly and accurately. Sturdily constructed and easy running. Works on force feed principle with handle control shut-off. Quickly adjusted. Simple to operate.

Model "B," 14-inch width, 20-lb. capacity. Price, \$6.95. Shipping weight, 11 lbs.

Junior Spreader, 16-inch width, 40-lb. capacity. Price, \$10.50. Shipping weight, 23 lbs.

Standard Spreader, 24-inch width, 75-lb. capacity. Price, \$28.20. Shipping weight, 65 lbs.

HY-GRO PLANT FOOD

A soluble plant food and starter solution for house plants, flowers, garden vegetables and lawns. 3 ozs., 25c; 20 ozs., \$1.00; 10 lbs., \$3.25.



TERRA-LITE—Vermiculite

Being light and fluffy, Terra-Lite has proven ideal in potting plants. A mixture of half soil and half Terra-Lite should be used for starting seedlings. Per bag (approximately 4 cu. ft.), \$1.25; 10 bags, \$11.50.

HYPONEX

Contains all of the known major and minor elements of plant food with vitamin B-1 added. Analysis 7% Nit., 6% Phos., 19% Pot. 1-lb. can makes 100 gals., \$1.00; 25-lb. drum, makes 2500 gals., \$10.00; 50-lb. drum, makes 5000 gals., \$16.65; 100-lb. drum, makes 10,000 gals., \$26.65.



PLANTABBS

A widely advertised fertilizer and stimulant in tablet form made especially for potted plants. Now contains Vitamin B-1. Pkg. of 30 tablets, 25c; 200 tablets, \$1.00; 25c size, \$2.00 per doz. \$1.00 size, \$8.00 per doz.

VITAMONE CONCENTRATE

A highly concentrated, liquid, organic fertilizer. When properly diluted, VITAMONE CONCENTRATE will not harm even the most delicate plants, because of its high organic content. Dilution may be as much as 1 to 400 parts of water. Directions on each bottle should be followed accurately. Gal. \$7.50.

NEW PLANT LIFE

A LIQUID PLANT FOOD. 1/2 teaspoon makes 1 quart of complete fertilizer. 3-oz. bottle, 25c; 2 doz. to case, \$4.00; gal., \$4.00.

GARDEN AND LAWN FERTILIZERS

IMPORTANT. The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

The highest grade only. Guaranteed analysis. All f.o.b. St Louis. Due to certain conditions we are unable to quote prices on some items at this time and when in the market please write us for prices.

ADCO

A powder which, mixed with vegetable matter and kept moist, turns the latter into real manure, but without the odor, flies, etc. Directions enclosed in bags. 7½-lb. pkg., \$1.25; 25-lb. bag, \$2.75.

ALUMINUM SULPHATE

For making acid soil. Also used in benches that contain too much lime. 10 lbs., 75c; 100 lbs., \$3.50.

AMMONIUM NITRATE—32.5% Nitrogen

100-lb. bag, \$5.50.

ARMOUR'S SPECIAL ORNAMENTAL 10-8-6

A concentrated fertilizer for lawns, trees, shrubs and ornamental plants. For garden or lawn use 100 lbs. for 50x100 ft. 100-lb. bag, \$4.00; ton, mkt. price.

ARMOUR'S SPECIAL GROWERS MIXTURE

All inorganic and quickly available—4% nitrogen, 12% available phosphoric acid, 8% potash. Before planting, apply 6 lbs. per 100 sq. ft. and work thoroughly into soil. For soil piles, mix 4-inch potful with each wheelbarrow of soil. 100 lbs. if available.

SWIFT'S BRIMM (4-12-8 Analysis)

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. 80-lb. bag, \$2.25; \$54.65 per ton.

ARMOUR'S BONE, BLOOD AND POTASH Fertilizer Mixture (Analysis 5-8-7)

For potting soil, use about 20 lbs. to a cubic yard of soil. It is excellent for Carnations if applied by the end of October or in November. 100 lbs. if available. Mkt. price.

BONE MEAL 2-24

Best grade of steamed bone for general use. 2% nitrogen, 24% phosphoric acid. Used under glass or outside for nearly all plants. 100-lb. bag, \$4.75; ton, mkt. price.

CATTLE MANURE (2% Nitrogen, 1% Total Phosphoric Acid, 1% Potash)

This is a very high grade material, heat dried, and free from straw, being all pure cattle manure. 50-lb. bag, \$1.40; ton, \$54.00.

DRIED BLOOD

(13½ per cent nitrogen.) For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogen fertilizers. Ideal in manure mulch on bench plants. Two to four pounds per 100 square feet. Send for prices.

HARDWOOD CHARCOAL (Granulated Fine)

For mixing in soil in seed flats, cutting benches and pot plants. 50-lb. bag, \$2.85.

HORN DUST (13% Nitrogen)

Best used for mixing potting soil; quick acting. 50-lb. bag, \$8.00.



HYDRATED LIME

Used to neutralize acid soil on lawns and gardens. Use 50 lbs., for 20x100 ft. 10-lb. bag, 25c; 50 lbs., 60c.

LOMA 5-10-5

Use Loma for feeding Carnations, Snapdragons and all greenhouse plants. 5-10-5. 100-lb. bag, \$3.15; ton, \$63.00.

MINERALIZED LOMA 8-8-8

Guaranteed fertilizer analysis of 8-8-8 plus all the essential mineral elements. Complete analysis on bag. 100-lb. bag, \$7.50; 25 lbs., \$2.50.

MILORGANITE

A unique plant food, scientifically prepared, free from weed seed and all harmful organisms. Easy to apply without danger of burning. For lawn and garden use 100 lbs. for 50x100 ft. 25 lbs., \$1.25; 50 lbs., \$1.90; 100 lbs., \$3.75.

MURIATE OF POTASH—62% Potash

The chief use of Muriate of Potash is the stimulation of root growth. 100-lb. bag, \$5.50.

NITRATE OF SODA

16 per cent inorganic nitrogen, readily soluble and quickly available for side or top dressing, or in liquid manures. For the home garden apply as a solution one ounce to two gallons of water. Price (subject to market change.) 10 lbs., 85c; 25 lbs., \$1.50; 100 lbs., \$5.00.

PEAT MOSS (Granulated)

A moisture retaining humus for mixing potting soil. Large standard bale, \$3.95.

SHEEP MANURE—Pulverized (2% Nitrogen, 1% Total Phosphoric Acid, 2% Potash)

This is a pure, natural manure. It is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. 50-lb. bag, \$1.40; ton, \$54.00.

SUPER ACID PHOSPHATE (20% Phosphoric Acid)

Used for Carnation soil and other crops requiring phosphoric acid. 100-lb. bags. For grain and Corn use 500 lbs. per acre. 80-lb. bag, \$1.90.

SULPHATE OF AMMONIA

Highly concentrated, quick acting. Particularly desirable for lawns and gardens. 10 lbs. covers 2500 square feet or 50x50 feet. 10 lbs., 85c; 100-lb. bag, \$5.50.

TOBACCO DUST

Fine powdered Tobacco. Used principally as a ground covering in greenhouses to repel insects. 100 lbs., \$3.90.

SWIFT RED STEER 4-12-4

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. For grain and corn use 500 lbs. per acre. 80-lb. bag \$2.25.

FOR ORCHARD AND FIELD CROPS

We are distributors for Swift & Co. Red Steer Fertilizer and Vigoro; also Armour Big Crop Fertilizer. If in the market, please write for prices. Put up in 80-lb. paper bags.

Available			
Nitrogen	Phosphoric Acid	Potash	Per Ton
10%	8%	6%	.....Mkt. Pr.
4%	12%	4%	.....\$45.50
2%	12%	6%	..... 41.60
0%	14%	7%	..... 40.20
0%	12%	12%	..... 54.55
0%	20%	0%	..... 38.45
4%	12%	8%	..... 54.65

10- 8- 6—
4-12- 4—
2-12- 6—
0-14- 7—
0-12-12—
0-20- 0—
4-12- 8—

INSECTICIDES AND FUNGICIDES

NOTE: All prices listed are subject to change. To the best of our knowledge, prices on supply items in this catalog conform to existing price established as of the date this catalog was issued.

ARSENATE OF LEAD

A stomach poison used to combat most chewing insects. Because it discolors the foliage it is rarely used under glass. 1-lb. can, 60c; 4-lb bag, \$1.60.

APOMITE

Combines the toxic action of rotenone and associated resins with solvents and wetting agents having insecticidal properties of their own to give an insecticide highly effective in the control of red spider, aphids, greenfly, blackfly, thrips, lacebugs, Cabbage worms, Asparagus beetles, Mexican Bean beetles and whiteflies. Dilute 1:400. Gal. \$10.00.

BARSPOUT

Stops Potatoes and other stored roots from sprouting. Reduces shrinkage 10% to 15% or more. One pound treats 11 bushels of Potatoes. Equally effective on Carrots, Beets, Turnips, etc.

12-oz. Sifter Top Canister \$1.00

BENZO-FUME AZOBENZENE PRESSURE FUMIGATORS

Benzo-Fume pressure fumigators are an efficient and economical method of controlling greenhouse red spider in Rose ranges, also Carnations, Chrysanthemums and many other crops. ½-lb. cans, 12 to case, \$3.20. 1-lb. cans, 12 to case, \$5.50.

1 lb. to each 10,000 cu. ft.

BLACK LEAF 40

Nicotine Sulphate for use against aphids, thrips and other sucking insects. Mainly used for outdoor crops because of its prolonged action.

1-oz. size, \$0.35; dozen \$ 2.79
5-oz. size, 1.00; dozen 8.55
1-lb. size, 2.40; dozen 20.70
2-lb. size, 3.90; dozen 34.85
5-lb. tins 7.40
10-lb. tins 12.85

BLACK ARROW 5000

Pyrethrum dust is particularly effective against thrips, white flies, leaf rollers, midge and will not burn or injure plants in any way. 10 lbs., \$4.75; 50-lb. bag, \$19.50.

BLOT

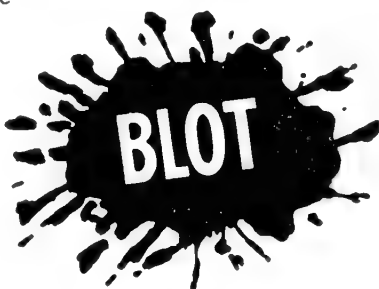
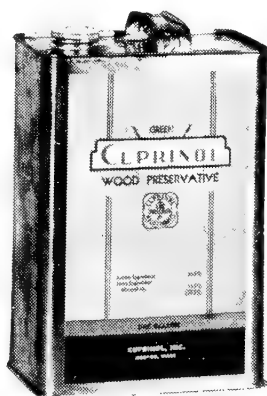
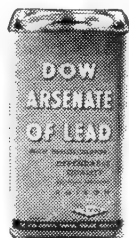
For red spider control. Use at the rate of 1 pint to 100 gals. of water. Qt., \$4.50; gal., \$15.50. Case of 4 gals., \$15.00 per gal.

BORDEAUX MIXTURE (Dry)

The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid disease on fruits and plants. 1 lb. will make 8 gals. of liquid. Lb., 35c; 4 lbs., 90c.

CERT-O-KILL

A 25% DDT concentrate. Use at the rate of 2 qts. to 100 gallons of water. Effective control of leaf hoppers, tarnished plant bug, etc. Gal., \$5.90.



COPPER SULPHATE (Blue Stone)

10 lbs. \$ 2.00
25 lbs. 4.25
100 lbs. 13.50

COPPER SOLUTION (Hammond's)

A spray which controls most fungous disease as well as stimulates plant growth. Gal., \$4.90.

CUPRINOL No. 10

For wood. Dyed green for use on exterior and interior surfaces. Stops rot, fungus and wood destroying insects. Covers approximately 400 sq. ft. to the gallon. Will not harm plants.

1 gal. per gal., \$3.45
5 gals. per gal., 3.35
50 gals. per gal., 3.10

CUPRINOL FOR FLORISTS No. 14

Especially recommended for dipping and will result in a considerable saving to the grower in the protection of flats and stakes. In dipping the flats should be immersed in the liquid from 4 to 5 minutes. The length of time of its submersion in the liquid depends upon the amount of penetration desired by the user. 5-gal. can, \$2.35 per gal.; 50-gal. drum, \$2.20 per gal.

CUPROCID—Yellow

Fungicide plant spray for controlling blight. 3 lbs. makes 150 gallons of spray. 1 lb., 75c.

CYANOOGAS G-FUMIGANT (Calcium Cyanide)

A deadly, very effective fumigant for control of anything that breathes. Excellent to control white fly, mealy bugs, leaf tiers and many other hard to control insects. Use ¼ oz. per 1,000 cu. ft., except for tender plants for which use ⅛ oz. per 1,000 cu. ft.

Scatter evenly on walks. The gas will be completely evolved within an hour. 5-lb. cans, \$3.75; 25-lb. cans, \$12.50.

CYANOOGAS FOOT PUMP

Especially designed for applying Cyanogas A-Dust. Ruggedly constructed; lasts indefinitely. Price \$10.50.

CYANOOGAS "A"—DUST

Kills rats, moles, soil insects and rodents. Very effective and economical to use. It's the gas that kills 'em.

1 lb. \$ 0.95
5 lbs. 3.75
25 lbs. 12.50

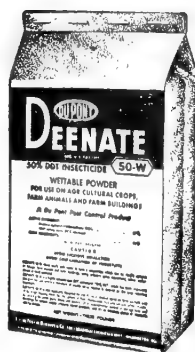
CYANOOGAS—Ant Killer

Does not rely on feeding habits of the ants. It kills them with gas. The spouted 4-oz. can (enough to kill a million ants) is especially designed for treating ant nests in gardens and lawns. 4-oz. 39c size. Doz, \$2.80.

INSECTICIDES AND FUNGICIDES—Continued

DEENATE 50W (DDT)—Wettable

A wettable powder containing 50% DDT which mixes readily with water and can be used for spraying crops. Recommended dosage for horticultural crops is 1 to 2 lbs. per 100 gallons of water. Used in this manner it leaves little visible residue. 1 lb., 75c; 4-lb. pkg., \$1.95; case of 12 4-lb. pkgs., \$1.75 per pkg.



DETEX—25 % Liquid

Liberty's DETEX. Correct dilution instructions on each can. Controls thrips, midge, leaf rollers, mealy bugs, leaf tiers, aphids, leaf hoppers, white fly. Qt., \$3.00; gal., \$10.00.

DEENATE 10X DUSTING POWDER

A 10% DDT dust which has proven excellent for greenhouse use. 5-lb. cans, \$1.75.

DCGZOFF—Liquid

Protection against all animals. Spray on lawn or around object to be protected. Lasts a long time. 3-oz. bottle 60c; Doz., \$4.80.

DRY LIME-SULPHUR

For dormant spray use 12 to 15 lbs. to each 50 gals. of water. 1-lb. can, 30c; 5-lb. can, \$1.45; 25-lb. drum, \$4.00.



DOW'S DN DUSTS AND SPRAY

DOW'S DDT 50%—Wettable

A wettable powder especially prepared to mix readily with water for spraying. Contains 50% DDT. High DDT content gives sprays with minimum visible residue—an advantage on many crops. 4-lb. pkg., \$1.95; case of 12 4-lb. pkgs., \$1.75 per pkg.



DOWFUME G

New rapid setting fumigant. Especially toxic to nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10-gal. drum, 110 lbs. net, \$28.50.

DOWFUME G APPLICATORS

Highly satisfactory hand applicators. Adjustable for varied dosage. Will give years of service. Each \$20.00.

GARDEN DOWFUME

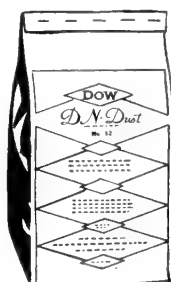
A soil fumigant containing Ethylene Dibromide. Very effective in controlling nematodes, wire worms, and other soil insects in home gardens. 1 gal. treats 400 sq. ft. 1-gal. cans, \$1.50.

DN SULPHUR DUST No. 10

To control spider mite on Carnations only. Do not use on open flowers. 10-lb. bag, \$3.00; case of 5 10-lb. bags, \$12.50.

DN DUST No. 12

For use to control spider mite, thrips, and rust on Roses, Callas, Snaps, Gardenias and Carnations. 10-lb. bag, \$4.50; case of 5 10-lb. bags, \$20.00.



DOWKLOR-40 % -WETTABLE POWDER

Active ingredient, Chlordane. Suitable for use either as a wettable powder or a dust concentrate. Excellent control for grasshoppers, ants, crickets, alfalfa weevil, roaches, fleas, lice, flies, ticks, chiggers, and a wide variety of insects attacking fruit and vegetables. Leaves a visible residue.

100-lb. drums per lb., \$0.90
4-lb. cans per lb. .95

DOWKLOR-40 % -EMULSIFIABLE

This formulation is diluted in water to give emulsions containing Chlordane. Can be used for the same purposes as the wettable powder.

50-gal. drums per gal., \$9.45
10-gal. drums per gal., 9.80
4-lb. cans per lb., .95

DOWKLOR-20 % -OIL CONCENTRATE

A concentrate usually diluted with deodorized kerosene to obtain a spray containing 2% Chlordane. Does not leave visible residue and used extensively in warehouses, dairy barns, food establishments, household, etc. Do not use on plants or animals. 50-gal. drums, \$4.37 per gal. 10-gal. drums, \$4.70 per gal.

DOWKLOR-5 % -DUST

A finished dust formulation for use against both agricultural and household insect pests. Controls same insects as DOWKLOR-40% Wettable.

50-lb. bags per lb., \$0.24
1-lb. duster cans 90c. Doz. 7.20



DOWKLOR-10 % -DUST

A finished dust formulation containing 10% Chlordane. For use in control of cotton insect pests. 100-lb. drums, 30 1/2c per lb.

DN DRY MIX—(Wettable) No. 2

Recommended for use with oil or water to control a variety of insects in the dormant stage, particularly aphids on Apples and spider on Citrus. Use 1 1/4 to 2 lbs. to 100 gals. of water. 1-lb. pkg., 65c.

DOWSPRAY 17

A Dinitro compound for use as a wet spray to control red mite and thrips. Helps produce better foliage. Protection for Roses, Carnations, Calla Lilies, Azaleas, Snapdragons, Gardenias, Hydrangeas, etc. 1-lb. tin (for 130 gals spray), \$3.25.

DOW MIKE SULPHUR

More than 15 times finer than 325-mesh sulphur. Wets instantly and is the preferred wettable sulphur because of its fineness. 1-lb., 30c; 4-lb. bag, 60c; case of 12 4-lb. bags, \$4.80.

DOW MIKE SULPHUR SPECIAL FOR DUSTING

About half as finely divided as Mike Sulphur. Ideal for dusting. Goes farther and covers better than ordinary dusting sulphur due to its minute size. Particularly effective on Roses. 10-lb. bag, \$1.25; case of 6 10-lb. bags, \$6.00.

INSECTICIDES AND FUNGICIDES—Continued

DOW SPROUT INHIBITOR, DUST

2.2% Methyl Ester Alpha Naphthyl Acetic Acid mixed with a carrier and used as a dust on a variety of stored vegetables, particularly Potatoes, to reduce sprouting and shrinkage. One pound treats 11 bushels of Potatoes. 1-lb. cans, 12 per case, \$1.00 per lb. 50-lb. drums, 80c per lb.

DOWAX

For coating trees and shrubs for protection during transplanting, eliminates wrapping tree trunks, protecting Dahlia tubers and Cannas. Gal. \$2.25.



ENDOPEST

Easy to use EndoPest. It comes in an efficient, exclusive dust gun package. Just a few quick strokes produces a thin cloud of dust, enough to protect a bed of flowers or a row of vegetables. This makes it economical and best. Buy refill cartridges when you buy your original dust gun package.

Retail	Dealers Price
10 oz. applicator gun, \$0.98	24 to case, \$15.29
10 oz. refill cartridges, .75	24 to case, 11.70
4 oz. sifter top pkg., .35	24 to case, 5.46
2-lb. pouring spout pkg., 1.98	12 to case, 15.45

"EVER GREEN" GARDEN SPRAY

"Ever Green" garden spray is one of the most powerful general garden insecticides. It kills many of the common varieties of both chewing and sucking insects. A Pyrethrum spray for aphids, leaf rollers, leaf hoppers, midges, tarnished bugs, white fly.

1 oz.	\$0.35	Doz.	\$ 2.80
6 ozs.	1.00	Doz.	9.25
Pint	2.45	Doz.	20.90
Gal.			12.60

FERMATE—Fungicide

This new fungicide which has been thoroughly tested gives remarkable control of plant disease, with safety to all plants. Reliable specific for black spot on Roses, leaf spot on Chrysanthemums, Snapdragon rust, anthracnose of Tomatoes and brown rot of Cherries. Recommended for use against all fungi and mildews. 3-lb. pkg., \$2.50; case of 12 3-lb. pkgs., \$2.25 per pkg.

FISH OIL SOAP

For use as a spreader in using spray materials. Also as a wash on various plants for cleansing foliage. With nicotine sprays use 3 to 5 lbs. to 50 gals. of water. 1/2 pt., 35c; pt., 65c; qt., \$1.25; 25-lb. pail, \$5.50.

FLY AND MOSQUITO SPRAY DDT, Hammond's

Close all doors and windows. Spray freely toward the ceiling until the room is foggy with spray. Keep room closed 10 minutes. **ROACHES, ANTS, WATER BUGS:** Spray freely wherever these insects are found. Qt., 75c; gal., \$2.50.

FORMACIDE FORMALDEHYDE DUST

For the control of damping off seedlings. Also a disinfectant against soil diseases.

5 lbs.	\$2.50
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FLOWERS OF SULPHUR

A powder used to check mildew, dry rot and other fungous disease. 5 lbs., 45c; 10 lbs., 75c; 50-lb. bag, \$2.90.



GRAFTING WAX

Grafting is done between January and April, according to locality. Use smooth, straight scion wood of one season's growth. When scions are set, wax thoroughly. This wax may be used by placing in warm water until soft enough to work. 1/4 lb., 35c; 1/2 lb., 50c; lb., 80c.

GRAPE AND ROSE DUST (Hammond's)

Basically a micro fine sulphur compound useful to control blights, powdery mildew and black spot. 1 lb., 35c; 5 lbs., \$1.25.

GRASSELLI SPREADER-STICKER

Effective and economical wetter, spreader and sticker. We recommend its use with all sprays for greater efficiency.

Pint cans (1 lb.)	\$0.90
Gal. cans (8 lbs.)	6.35

HAMMOND'S "75" DUST

As a general purpose dust No. 75 Stabilized Rotenone (contains 3/4% Rotenone) has proven a valuable aid to commercial growers and gardeners. Its highly toxic, non-poisonous ingredients are thoroughly dispersed and inter-mixed to give a perfectly uniform material. Kills by both contact and stomach action. Lb., 45c; 5 lbs., \$1.75.

HANTU

Hantu is new—a scientific product evolved during war research. It is the best brown rat killer so far produced with a margin of safety for the user. It is so powerful that only a very small amount—actually a lick—kills the rat. 2-oz. can, 60c; doz., \$4.80.

IRON SULPHATE (Copperas also Ferrous Sulphate)

Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs. in 5 gals. of water. Spray every two weeks, washing off foliage immediately after spraying. 5 lbs. 50c; 10 lbs., 75c; 100 lbs., \$3.50.

LORO

Against Chrysanthemum midge, mealy bug, red spider, mites and thrips. Loro is also recommended for use on Carnations, Gardenias, Snapdragons, Gladioli and Dahlias. Pt., \$2.00; gal., \$10.50.

MARLATE 50

MARLATE 50 is effective in the control of Mexican Bean beetle, Asparagus beetle, Cucumber beetles, flea beetles, Japanese beetle, leaf hoppers on Beans, Cabbage worms and Melon worms. As a spray for the control of the above insects use 2 to 3 lbs. of MARLATE 50 per 100 gals. of water. 4-lb. pkg., \$3.25; case of 12 4-lb. pkgs., \$36.00.

MOLE NOTS

Life saver for lawns and seed beds. Trial size, 8 nots, 35c; display carton of 12 pkgs., \$2.80.

MOLOGEN (Hammond's)

A safe powder to get rid of moles. Non-poisonous to birds and pets. 1/2-lb. pkg., 50c; 1 1/2 lbs., \$1.25.

INSECTICIDES AND FUNGICIDES—Continued

NAPHTHALENE FLAKES

Many growers spread these under benches to repel thrips, red spider and other pests. 1-lb. box, 25c.

NICO-FUME LIQUID

For spraying and fumigating under glass.

2-lb. tin	\$ 3.45
8-lb. tin	12.55
40-lb. drum	54.40

NICO-FUME POWDER PRESSURE FUMIGATOR

Insures better distribution of fumes and the most popular method of nicotine fumigation.

	Each	12 cans
½-lb. cans	\$0.50	\$4.80
1-lb. cans .....	.75	8.35

NNOR

Rotenone combined with special diluents which in themselves are effective insecticides. Gives high kill when used as a general greenhouse spray for red spider (in young, adult and eggs), green aphids, leaf tiers, leaf hopper, mealy bugs.

Gal.	\$10.00
5-gal. pail	45.00

OPTOX (Formerly called Hitox)

A Pyrethrum-Rotenone spray. Optox is a contact insecticide as well as a stomach poison and may be used for the control of the chewing and sucking insects: aphids (plant lice), leaf hopper, thrips, white fly, leaf rollers, red spider, mildew and mealy bug. 1-pt. can, \$2.00; 1-qt. can, each \$3.70; 1-gal can, each \$12.00; 5-gal. drum, per gal., \$10.50.

PARA-SCALECIDE

Para-Scalecide is a combination of Paradichlorobenzene and Scalecide, which makes a liquid application for Peach borers that is safe and effective on young or old Peach trees. Para-Scalecide is diluted 1 gallon to 7 gallons of water and poured against the base of the trees 4 to 6 inches above the ground in the fall or spring. It requires approximately ½ pint for 1- to 2-year-old trees, 1 pint for 3-year-old trees. Qt., \$1.30; gal., \$3.00.

PARADOW—Pure Paradichlorobenzene

Kills Peach tree borers. Best applied in fall but may be used in spring. Also useful to control slugs.

1 lb.	\$0.45
5 lbs.	1.65
25 lbs.	5.50

PARIS GREEN

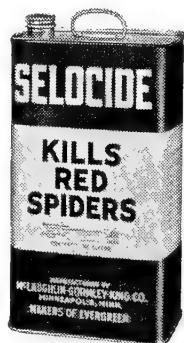
Useful stomach poison. May be used as a dust or spray. Also used for poison bran mash to control cut worms and sowbugs. (5 lbs. bran + 2 table-spoonfuls Paris Green + 1½ pints of water) (molasses ½ pint.) ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

PLANETARY SPREADER

Planetary Spreader is an effective spreading agent in both hard and soft water. Use 4 ozs. to 100 gals. of water. Qt., \$1.25; gal., \$4.50.

POTASSIUM PERMANGANATE

Used for dipping cuttings. ¼ lb., 50c; 1 lb., \$1.25.



PROTEXALL GARDEN SPRAY

The 4-way insecticide-fungicide for control of most plant insects and plant fungi. Use 1 oz. to 1 gal. water. 1 lb., \$3.75.

RED ARROW GARDEN SPRAY

(Pyrethrum-Rotenone.) Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. 1 oz., 35c; 4 ozs., \$1.00; pt., \$2.85; qt., \$3.70; gal., \$13.75.

SCALECIDE

Spray every fruit tree, shade tree, shrub and vine that drops its foliage in winter with Scalecide, 6 gallons to 100 gallons of water (1 to 15.) Spray any time after the foliage is off in the fall or before the buds show in the spring, provided the temperature is warmer than 40 degrees. Qt., \$1.05; gal., \$2.50; 5 gals., \$8.45.

SCRAM DOG REPELLENT

A dusting powder to keep away dogs. 8-oz. carton, 50c; doz., \$4.00.

SELOCIDE

Kills red spider. SELOCIDE kills from 90 to 100 per cent of red spiders (Tetranychus Telarius L.) in just one application. Selocide also kills the eggs and it does not harm tender plants when properly used. Gal., \$3.00; 5 gals., \$13.50.

SLUG SHOT (Hammond's)

An old favorite dust, effective against leaf eating insects and diseases. Lb., 40c; 5 lbs., \$1.70.

SNAROL

Snarol—an attractive bait meal—will quickly rid your garden of cutworms, snails, slugs, sowbugs, earwigs and grasshoppers. Snarol is a ready prepared meal that you simply broadcast about plants and shrubs after you sprinkle them in the evening. Lb., 35c; 6 lbs., \$1.50; 10 lbs., \$2.25.

SODIUM SELENATE

Applied to the soil it is taken up by the plant tissues and kills the insects that may feed on treated plant. Especially effective for red spider on Snaps, Carnations and Mums, leaf nematodes and many other insects. Care must be exercised in the use of this material as it can cause plant injury and also soil and plants so treated are poisonous. 1-lb. bottle, \$4.00.

P. 40 (20% Sodium Selenate with Superphosphate)

Recommended amount to apply is 3 lbs. per 100 sq. ft., which is equivalent to ¼ gram of Sodium Selenate per sq. ft. 50 lbs., \$9.50; 100 lbs., \$18.00.

SURE-SET

Available to alert Tomato growers now is the remarkable new spray, Sure-Set, that can increase the yield of early marketable Tomatoes. Specifically, Sure-Set contains a plant growth control agent which overcomes the delay in the setting of fruit caused by low night temperatures. Dilute ½ pint to 3 gals. water and spray blossoms only. ½ pt., \$1.75.

INSECTICIDES AND FUNGICIDES—Continued

TALC

Used as a filler in mixing insecticides and dusting. 50-lb. bag, \$1.75.

TARTAR EMETIC

To control Gladiolus thrips; also all other types of thrips.

Formula: 2 lbs. TARTAR EMETIC, 4 lbs. brown sugar, 100 gallons water.

1 lb.	\$ 0.90
5 lbs.	4.00
25 lbs.	18.75
50 lbs.	36.50

TERRO ANT KILLER

A syrup to be placed on chips of wood or cardboard. Ants will be quite active for some time eating the Terro. Pkg., 25c; doz., \$2.00.

TERRO ROACH KILLER

Guaranteed to kill roaches and water bugs, if used according to directions. 4-oz. can, 35c; doz., \$2.80; 16-oz. can, \$1.00; doz., \$8.00.

TOBACCO DUST

A fine powdered Tobacco. Used principally as a ground covering in greenhouses to repel insects. 100 lbs., \$3.90.

TRI-GEN

For Aphis, Mildew, and Black Spot on Roses

All-purpose spray that gives positive plant protection. Kills all insects (chewing and sucking), controls mildew and black spot.

E Kit (Makes 10 qts.)	\$1.35
A Small Kit (makes 16 qts.) Protects 12 to 20 Roses for season	2.25
B Medium Kit (Makes 64 qts.) Protects 50 to 80 Roses for season	6.00
C Large Kit (makes 32 gals.) Protects 100 to 160 Roses for season	9.00
D Estate Kit (makes 128 gals.) Protects 400 to 600 Roses for season	30.00



TREE WOUND PAINT

Prevents decay after pruning. This penetrating, antiseptic paint is not affected by heat. Qt., 60c; gal., \$1.75.

VAPOTONE

Contains tetraethyl phosphates. The new organic insecticide that has been giving such spectacular results against red spider and aphids on Roses, Carnations, Gardenias, Mums, etc.

4 oz.	\$0.85	Case of 24 ..	\$13.60
Pint	2.50	Case of 12 ..	20.00
Gallon			\$11.90

VOLCK, NURSERY

The scientific insecticide for nursery, greenhouse and garden. Controls scale insects. An oil spray used against mealy bugs, scale insects, red spider and white fly.

4 ozs.	\$0.35	Case of 24 ..	\$5.60
Pint .....	.70	Case of 12 ..	5.60
Gallon			2.85
5 gallons			8.50

WHITING

For greenhouse shading. Ideal for shading on inside of glass, mixing a 50-lb. bag to about 15 gals. of water. 50-lb. bag, 95c.

ZERLATE

A newly developed fungicide possessing excellent adhesive properties on plants due to its resistance to washing off by rains and removal by other weathering factors. Although specific directions have not been furnished by DuPont as to its use on greenhouse crops, it has been used principally the same as Fer-mate. 3-lb. pkg., \$2.50; case of 12 3-lb. pkgs., \$27.00.

ZINC SULPHATE

Used as a softener in Arsenate sprays on foliage, such as Peach trees, susceptible to arsenical injury. 1 lb., 35c; 5 lbs., \$1.25; 25 lbs., \$5.00.

AEROFUME (A PARATHION AEROSOL BOMB)

Operator must always wear a full face gas mask while treating the greenhouse with AEROFUME and no one without gas mask protection should be permitted to enter the house following treatment prior to aeration. Masks should be equipped with canisters approved by the U. S. Bureau of Mines for use with organic vapors and should be replaced in accordance with the manufacturer's recommendations.

TEMPERATURE: Best results are obtained at temperatures between 70° and 85°F. Insect kill is more rapid and plant injury less apt to occur at high temperatures, although excessive temperatures (90°F. or over) are to be avoided.

EXPOSURE: Exposure of two hours is sufficient, but if application is made in late afternoon after the house is closed for the night, it is not necessary to open the house prior to the regular time the following morning.

ATTENTION: The greenhouse should be aerated for an hour before anyone is permitted to enter without wearing a gas mask. 4 pound net, 10% Parathion, Aerosol bomb sufficient to treat 290,000 cu. ft. For control of spiders, mites, thrips, aphids, mealy bugs, etc. Individually packed in a case. \$10.00 per bomb plus \$5.00 deposit on bomb and case. Write for quantity prices. Extension rods for bombs, \$7.50.



CHEMICAL WEED KILLERS

EndoWeed

Available in sizes from half pint to gallon and in packets for small area spraying, 8 ounces of EndoWeed treats 2000 sq. ft. of lawn. Spray ugly weeds away with EndoWeed! EndoWeed destroys weed leaves, stems and roots in a week or so, yet will not harm ordinary grass nor affect the soil. Kills dandelions, chickweed, plantain and 100 other lawn weeds.

Dealer Cost

1/2 pint (24 to case) \$1.00 pint\$14.40 case
1 quart (12 to case) \$2.75 quart 19.80 case
1 gallon (4 to case) \$7.50 gallon 19.40 case

DOW ESTERON WEED KILLER

Esteron 44 is a powerful 2,4-D weed killing formulation especially effective against many woody plants and certain hard-to-kill herbaceous weeds. Such plants as alder, aspen, birch, box elder, buckbrush, cherokee rose, chokecherry, poison ivy, poison oak, poison sumac, wild Cherry, wild Grape, Canada thistle, field bindweed, goldenrod, Russian knapweed and many others. Use at the rate of 1 qt. of Esteron 44 in 100 gals. of water. 1-gal. can, \$10.35.

WEEDONE

WEEDONE Contains 2, 4 Dichlorophenoxyacetic Acid (2, 4 or DCP)

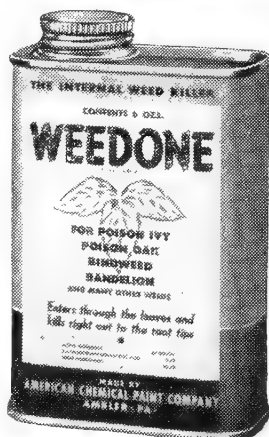
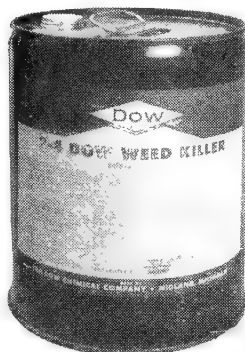
WEEDONE is recommended for killing poison ivy, poison oak, bindweed or wild morning glory, Japanese honeysuckle, sassafras, black locust, and wild or choke Cherry. It will also kill many other weeds under favorable conditions.

When sprayed on lawns, fairways or greens, use a 1 to 100 dilution with water.

Price: 6-fl-oz. bottle (for 1000 sq. ft.), 75c; 1-qt. bottle (for 5000 sq. ft.), \$2.50; 1-gal. can (for 20,000 sq. ft.), \$6.50; 5-gal. can, (for 100,000 sq. ft.), \$21.25.

HAMMOND'S DANDELION KILLER

Dandelions, plantain or any weed growing in a lawn or garden can easily be killed by one or two drops of Dandelion Killer applied to the crown of the plant. Qt., 50c; gal., \$1.50.



AMMATE

Controls poison ivy and other noxious weeds. Keeps walks and roads clear with little trouble. Non-poisonous, fire retarding, clean, odorless, effective. 3/4-1 lb. diluted in 1 gal. of water will treat 100 sq. ft.

6 lbs.\$ 2.00
50 lbs. 12.00

2-4 DOW WEED KILLER Formula 40

2-4 Dow Weed Killer, Formula 40, contains approximately 65% of the alkanolamine of 2, 4-D acid, which is equivalent to 39% by weight or 4 pounds 2, 4-D acid per gallon. High in acid content and economical to use. It is ideal for low volume application. One pint treats 1 acre of small grains and grass seed crops; 2/3 pint treats 1 acre of Corn, Flax, and Sorghum; 2 to 3 pints treat 1 acre of mowed turf such as a golf course; 2 teaspoonfuls make 1 gallon of spray which covers 250 square feet.

5-gal. drums gal. \$8.50
1-gal. cans (4 per case) gal. 8.75

2-4 DOW WEED KILLER Powder Form (80% Concentrate)

The standard recommendation is 1 1/4 pounds of 2-4 Dow Weed Killer to 100 gals. of water. Mix well. Apply with sprinkling can.

10-lb. drum\$1.70 per lb.
50-lb. drum 1.55 per lb.

HAMMOND'S WEED KILLER

Weeds, poison ivy and all vegetation are easily killed with this highly concentrated (stands dilution with 40 parts of water), easy-to-use material. Simply mix with water, apply with sprinkling can and all vegetation withers and dies. Do not use on lawns as it kills ALL vegetation. Qt., 70c; gal., \$2.00; 5 gals., \$8.00.

ZOTOX

Kills crab grass without permanent injury to lawn.

	Packed	Shipping	Retail	Dealer
Size	Per Case	Weight	Each	Cost Per Case
8 oz.	12	12 lbs.	\$ 1.00	\$ 7.20
16 oz.	12	24 lbs.	1.50	10.80
32 oz.	6	20 lbs.	2.50	9.00
5 lbs.	2	16 lbs.	4.50	5.40
30 lbs.	1	65 lbs.	22.50	13.50

DOBBINS POWER SPRAYERS

Dobbins No. 3260R 3 GPM Pump

High pressure sprayers recommended for estates, small orchards, dairy barn and cattle spraying, and landscape gardeners. Handle all insecticides, fungicides, weed control chemicals, DDT solutions and whitewash.

SPECIFICATIONS

PUMP: No. 3197. 3 GPM at 300 pounds pressure. Double cylinder.

POWER: Furnished with 1 3/4 HP Briggs and Stratton air cooled 4 cycle engine. Rope starter.

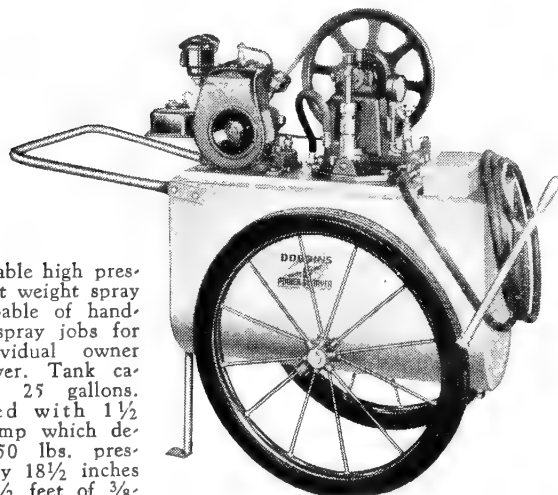
TANK: 50 gallon, heavy steel securely welded. Rust proofed on inside. Large filler opening with removable strainer. Drain plug in bottom.

DISCHARGE EQUIPMENT: 25 ft. of 1/2 in. high pressure spray hose and No. 3198 adjustable spray gun.

DIMENSIONS: Height 46 in. Length overall, 50 in. Width overall with rubber tires, 35 in. With steel wheels, 30 in. Tank width 22 in. Tank length 32 in.

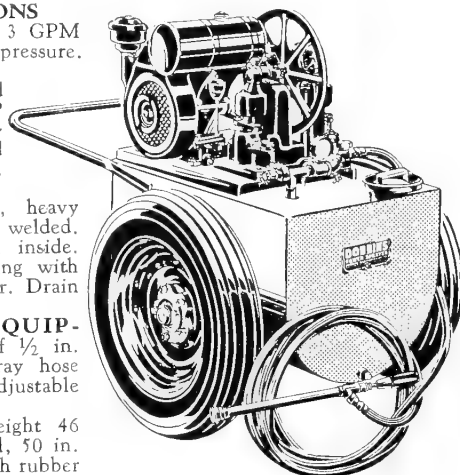
No. 3260R DOBBINS POWER SPRAYER. Disc wheels with roller bearings. 5.50x16 pneumatic tires. Shipping weight 405 lbs. Price: \$265.65.

Dobbins Portable High Pressure



A portable high pressure, light weight spray outfit capable of handling all spray jobs for the individual owner and grower. Tank capacity is 25 gallons. Equipped with 1 1/2 GPM pump which develops 250 lbs. pressure. Only 18 1/2 inches wide, 12 1/2 feet of 3/8-inch high pressure hose; adjustable spray gun.

No. 4240R. With rubber-tired wheels. Price: \$149.50.



SPRAYERS AND SUPPLIES



Hudson Climax No. 235G

An excellent sprayer for all-around general use. $3\frac{1}{2}$ gallons. Our most popular sprayer. Shipping weight 10 lbs. Each \$7.75.

Hudson Perfection Sprayer No. 210G

Big 6-inch opening insures easy filling, emptying and cleaning. Drains completely dry. Has 4-gallon zinc grip steel tank. Shipping weight 14 lbs. Price, \$8.75.

HUDSON 1 qt. tin sprayer 65c

HUDSON 1 pt. tin sprayer 45c



GREENHOUSE SPRAYER PARAGON No. 3

Economical—Durable—Efficient

Capacity: 12 gallons.

Truck: Two-wheel; or, if you prefer, one-wheel.

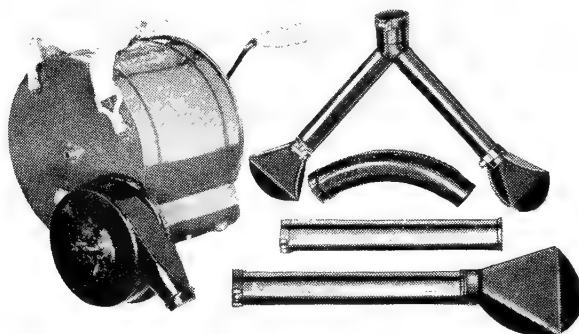
Equipment: 10 ft. special spray hose, $7\frac{1}{2}$ ft. spray pipe in three sections, 1 steel spray nozzle for whitewash, etc., 1 brass spray nozzle. Complete as illustrated, \$29.95. Air gauge \$2.60 extra.



SMITH BRONX SPRAYER

Unexcelled for spraying moth and fly-killing liquids, greenhouse work, plants in the home, clothes before ironing. Sprayer made entirely of brass, nickel-plated. Sprayer screws to glass bottle. Nozzle throws powerful, large, broad mist spray with slow, easy pump stroke up and down. Bronx Bottle Sprayer, quart size, \$1.85.

CHALLENGE DUST GUN No. C3



ROOT MODEL C3 CHALLENGE DUSTER

For dusting small acreage and other dusting purposes. Highest quality, most efficient crank duster on the market. Hopper capacity, 600 cu. in. approximately $7\frac{1}{2}$ lbs. Feed adjustment—per acre 1 to 20 lbs. Price, \$22.80.



Tin Hand Sprayer

Full quart size 65c
Pint size 40c



DUST GUN

Stoutly made for long service. Easy to fill and operate. P. 1 Junior, \$1.50. P. 2 Jumbo, \$2.75.



The finest and most attractive sprayer ever made. Has brass twin nozzle; seamless brass pump; highly polished copper tank.

1 qt. Blizzard, all brass \$2.95

SKINNER SYSTEM NOZZLES

Silver Stream. Famous nozzle for outdoor use. Per 100, 6c each.

Other sizes, ask for prices. Skinner drill bits, \$1.10 each.

Hudson Fog Nozzles are made entirely of brass.

No. 166 STRAIGHT FOG NOZZLE. Each \$0.60
No. 168 ANGLE FOG NOZZLE. Each60
No. 149 SHUT-OFF COCK. Each 1.20
No. 75 MALE HOSE COUPLING. Each40
No. 73 FEMALE HOSE COUPLING. Each40

SPRAY NOZZLES

For compressed air sprayers.

No. 176 PERFECTION SHUT-OFF. With nozzle. Each .. \$1.90.

No. 161 PERFECTION SHUT-OFF. Nozzle; 2 ft. hose and 2 ft. extension. \$3.00.

SPRAY HOSE

A high pressure, non-kinking spray hose of moulded and braided construction that will withstand action of various insecticides. Ample strength to carry pressure of 250 lbs. 24s per foot.

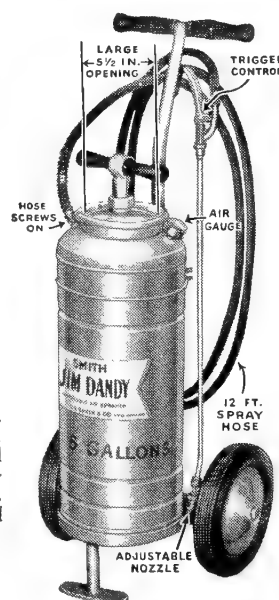
DOBBINS BIGHEAD SPRAYER



Universal nozzle. sprays at any angle. Will handle all spray solutions. 4-gallon capacity. No. 44G Galvanized Tank. Each \$8.75.

DOBBINS No. 210 Flame Sprayers. Weed burner. 4 gal. Price, \$21.00.

DOBBINS 31G. 2 qt. continuous hand sprayers. Price, \$2.45.



JIM DANDY Cart Sprayer

Capacity, 5 gals.

Price: \$28.50.

SUPPLIES FOR THE GROWER PLANT BANDS

*Grow All Your Plants, Seeds, and Cuttings
This Modern Way*

This modern method of culture saves time and labor, and assures the highest yield in cut flowers, potted plants, perennials.



STAPLED WOOD PLANT BANDS

Size in inches	Weight per 1000	Per 1000	Size in inches	Weight per 1000	Per 1000
1 3/4 x 1 3/4 x 2 1/2	28 lbs.	\$3.80	3 x 3 x 3	45 lbs.	\$4.45
2 1/4 x 2 1/4 x 2 1/2	28 lbs.	3.90	3 x 3 x 4	70 lbs.	4.90
2 x 2 x 3	32 lbs.	3.90	4 x 4 x 4	90 lbs.	5.70
2 1/2 x 2 1/2 x 3	38 lbs.	4.10			

All bands are packed 1,000 to a case except 4x4x4 inch which are packed 500 to a case.

BIRD'S NEPONSET WATERPROOF PAPER POTS

Red Pots for Shipping. Your plants will arrive in good condition and protect your reputation for shipping sturdy, healthy plants. They save packing time. Shipped to you set up and ready to use, these pots make shipping a simple one-step operation.

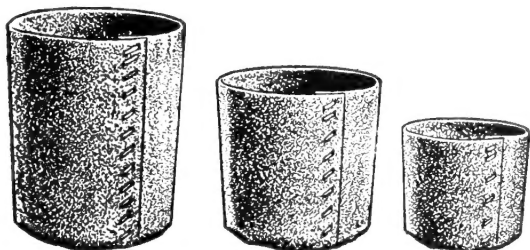
Green Pots for Growing. The bottoms are reinforced with a close fitting disc to prevent roots from growing in between sections of the base.

Sold in Units of 1000 Only

	Red	Green
2 inch (1000 per carton)	\$ 6.85	\$10.45
2 1/4 inch (1000 per carton)	6.85	10.80
2 1/2 inch (1000 per carton)	6.90	11.50
3 inch (1000 per carton)	7.30	13.15
3 1/2 inch (1000 per carton)	9.65	17.00
4 inch (500 per carton)	11.55	20.30
5 inch (500 per carton)	14.15	27.60
6 inch (500 per carton)	17.65	35.70

Discounts: 50,000 to 200,000—5%

"CLOVERSET" POTS FOR PLANTS



Made of tough waterproof fiber fabric asphalt coated, similar to roofing.

Packed 100 to a carton—we do not break cartons.

Standard Heavy Weight Pots

	Per 100	Per 1000
35 lbs. 5 in.—No. 0	\$3.50	\$31.50
52 lbs. 6 in.—No. 1	4.75	45.00
77 lbs. 7 in.—No. 2	5.50	52.50

BAMBOO CANE STAKES

Bamboo	Contents Per Bale	Price Per Bale
Dyed Green		
1 1/2 ft.	1000	\$ 5.25
2 ft.	1000	7.25
2 1/2 ft.	1000	8.50
3 ft.	1000	10.50
3 1/2 ft.	1000	11.50
4 ft.	1000	13.75
5 ft.	1000	16.00

PLANT TUBS—RICHMOND STYLE

These are made of finest fir lumber, securely bound with welded wire hoops.

Inside top Diameter	Depth Inside	Price Each
8 in.	8 in.	\$1.10
9 in.	8 in.	1.25
10 in.	9 in.	1.40
12 in.	11 in.	1.75
14 in.	13 in.	2.40



VITA-BAND 40

For all-round use, especially growing periods up to 40 weeks.

VITA-BAND 10

The low-cost, nutrient-treated band for growing periods up to 10 weeks.

Sold in Units of 1000 Only

	Vita-Band 40 weeks	Vita-Band 10 weeks
1 3/4 x 1 3/4 x 2 1/2 inches	\$4.90	\$3.35
2 x 2 x 2 1/2 inches	5.40	3.65
2 x 2 x 3 inches	5.90	4.15
2 1/2 x 2 1/2 x 3 inches	6.95	4.75
3 x 3 x 3 inches	8.10	5.65
4 x 4 x 4 inches		8.98

Discounts: 50,000 to 200,000—5%

LABELS

POT LABELS—WOOD	Packed in Cartons	Prices per 1000 Plain Painted
4x7/8 inches	1000	\$2.50 \$3.00
5x7/8 inches	1000	2.80 3.30
6x7/8 inches	1000	3.10 3.70
8x7/8 inches	500	4.50 5.70
10x7/8 inches	500	5.50 6.70

GARDEN STAKES	Packed in Cartons	Price per Carton Plain Painted
8x7/8 inches	250	\$1.75 \$2.00
10x7/8 inches	250	2.00 2.25
12x7/8 inches	100	1.50 1.75

LABELS, TREE—Copper Wired	Prices per 1000 Plain Painted
3 1/2 inches long, 3/8 inch wide	\$3.10 \$3.80

WEATHERPROOF PENCILS

For marking labels. Will not rub off or fade. Each 10c; doz., \$1.15.

ACME TREE AND SHRUB TAGS

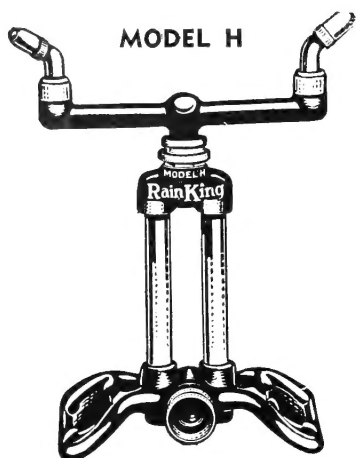
1000 to box. \$1.50 per 1000.

TWIST-EMS

Twist-Ems are dark green, strong tapes with wire reinforcing making that perfect plant tie. Simply put around the stem and support and twist. 8 inch.

Pkg of 125 Twist-Ems	\$0.35
Carton of 24 pkgs. Per carton	5.60

SUPPLIES FOR THE GROWER



THE CIRCLE

Throws a powerful, fine spray in all directions; covers area up to 40 feet diameter. Extra heavy brass top, with clean cut holes. Each \$1.15.

CRESCENT

A half-circle sprinkler, convenient for sprinkling along drives and walks without wasting water. Each \$1.10.

REVOLVING SPRINKLER

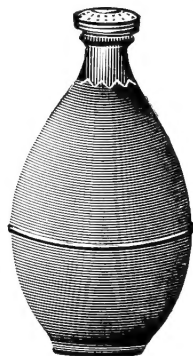
No. 239, cast iron base. All brass "Spinner" head. 4½ G.P.M. at 30 lbs. pressure. Each \$1.95.

ROSS SPRAY HEADS

ROSS GARDEN ATOMIZER No. 15
Fine screen nozzle\$1.40

ROUND NOZZLE SPRAY No. 14
..... .50

SCOLLAY'S FLORISTS' SPRINKLER



None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Price, \$1.50.

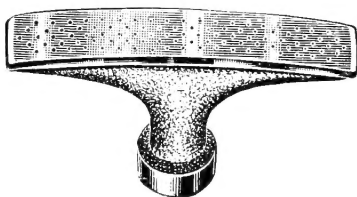
LAWN SPRINKLERS

RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11¼ ins. tall; 9¼ in. from nozzle to nozzle. Price each, \$5.25.

FLAT SPRAY SPRINKLER No. 11

Cast brass. Each95c



BOSTON HOSE NOZZLE

Can be adjusted from fine spray to stream. Price, 90c each.

THERMOMETERS

Standard grade (tested.) Guaranteed accurate tin case thermometers, black oxidized metal scale, heavy magnified, easy reading tube. Price, 70c.



PEARL CHIPS

Pearl Chips, White. For growing bulbs in bowls. 10 lbs., 65c; \$5.60 per 100 lbs.

Pearl Chips, Colored. 10 lbs., 75c; \$6.50 per 100 lbs.

TWINE

(For Tying Boxes, Cartons)

Binder Twine, 8-lb. ball, \$2.25; 48-lb. bale,\$11.75
Sisal Twine, 2 ply; 5-lb. ball, \$1.95; 50-lb. bale, ... 18.50

COTTON TWINE—Very Best Grade

In balls, 3 ply; 5-lb. bag\$3.75

In balls, 4 ply; 5-lb. bag 3.75

In 2½-lb. cones, 3 ply and 4 ply 1.85

SEA ISLAND TWINE

Used for wrapping small packages. Also for spray and design work. Blue, red, pink, lemon, orange, purple, red and white, blue and white, in 2-lb. cones, at \$2.15.

SPHAGNUM MOSS

Extensively used for filling fern and orchid baskets. Bale, about 16 lbs., \$2.35.

RAFFIA

Natural, best grade. 1 lb., 75c; 10 lbs., \$7.00.

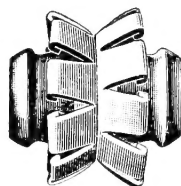


RIDGID GOGGLES

Protects eyes while dusting. \$1.85.

PLUMOSAN RESPIRATORS

No. R-110. For protection against dust\$1.75



CLINCHER HOSE MENDERS

½ in., ⅝ in., ¾ in. Each 15c.

CLINCHER HOSE COUPLINGS

½ in., ⅝ in., ¾ in. Each 30c.

GARDEN HOSE

GOODYEAR—EMERALD CORD

Moulded Construction—Best Quality

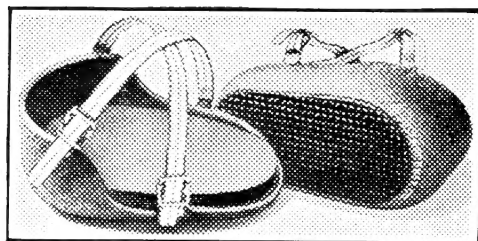
Rubber tube; green rubber cover; two ply double-double fabric; guaranteed to stand any water pressure up to 200 lbs.; ¾ in. per 50 ft., length, \$14.85; ⅝ in. per 50 ft. length, \$12.85.

GOODYEAR—PATHFINDER

Corrugated—Moulded Construction

Good quality rubber tube; green cover; guaranteed to stand any water pressure up to 60 lbs.; ½ in. Per 50 ft., \$7.50.

KNEE PADS



A practical, serviceable, comfort-giving knee cushion. Per pair\$1.60

PUTTY GUN

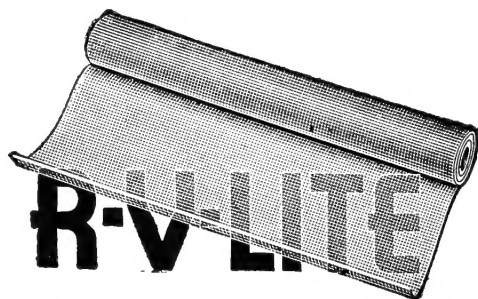


GLAZING GUN

Best for liquid putty. Each, \$4.25.

GLAZING PUTTY

Gun Grade. A superior grade which will not dry out or crumble. Seals tight, remains soft and pliable. Gal. \$2.90; 5-gal. can, \$13.75.



STORM DOORS and WINDOWS

R-V-LITE can be used wherever glass is used. It is BETTER than glass for many purposes. R-V-LITE is flexible, light in weight and easy to handle. You can easily cut it with a pair of scissors, yet it is tough and durable—gives lasting service. 50-ft. rolls, 36 inches wide, \$7.50; 50-yd. roll, \$22.00.

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FARM SEEDS

For Pasture, Hay, for all Soils

PRICES ON ALL GRASS SEEDS are subject to market changes. We will be pleased to quote firm prices on request. Orders entrusted to us will be filled at the lowest price on the day received. Write for price on Field Seeds and let us know your requirements, and we will be glad to quote special quantity prices.

ALFALFA, KANSAS

Best adapted for the Central West. Sow August and September, March and April. 20 lbs. per acre. **Market price.**

CLOVER, MEDIUM RED

Best legume crop or for hay or meadow. Sow in spring, 8 to 10 lbs. to the acre. **Market price.**

CLOVER, ALSIKE

Fine legume crop, also for hay or mixed grass seed for pasture. 6 to 8 lbs. per acre. **Market price.**

SWEET CLOVER

A biennial. Sow early in spring. 20 lbs. per acre. Write for price.

LESPEDEZA

A good legume and fine for fall pasture. Sow 20 lbs. to acre. **Market price.**

ALTA FESCUE

This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides and playgrounds. **Market price.**

AWNLESS BROME GRASS (*Bromus inermis*)

Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. **Market price.**

BLUE GRASS, KENTUCKY (*Poa pratensis*)

Fancy extra re-cleaned. Kentucky Blue Grass is largely used for lawns and when once planted lasts indefinitely. An excellent pasture grass. Deep rooting and has an attractive color. **Market price.**

CREEPING RED FESCUE

One of the best Fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. **Market price.**

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought-resistant. **Market price.**

RYE GRASS, PERENNIAL

A hardy grass of quick growth, suitable for lawns and meadows. **Market price.**

RYE GRASS

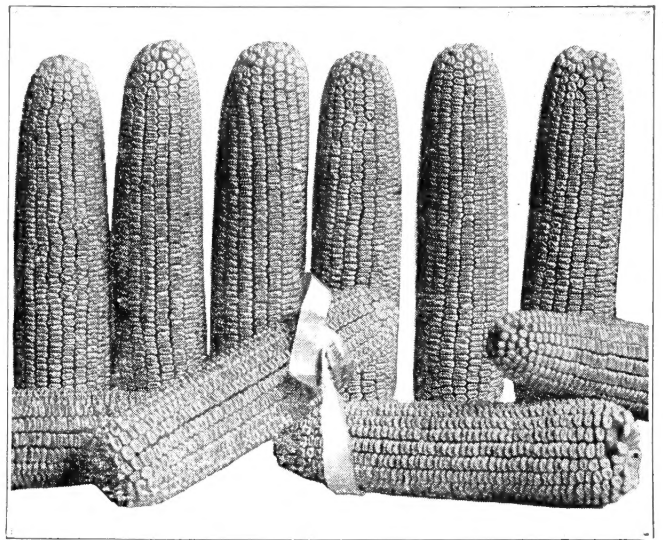
Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. **Market price.**

SUDAN GRASS

Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th to June 20th. It withstands long periods of drought. **Market price.**

TIMOTHY (*Phleum pratense*)

It is the most desirable of all grasses for hay but should not be grazed as the tramping of cattle hoofs causes it to die. In this section Timothy is best suited to low, flat or alluvial soils where there is a fair amount of moisture. **Market price.**



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HOTKAPS—patented paper hothouses—completely protect plants from destructive frosts, storms, insects. Ripen crops weeks earlier; increase yield 18% to 51%. Maintain perfect mulch. One man can set 2000 per day. Millions used by growers every season.

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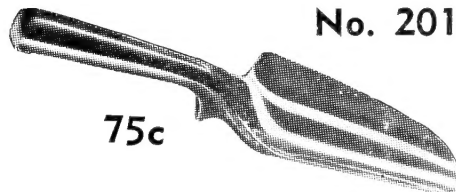
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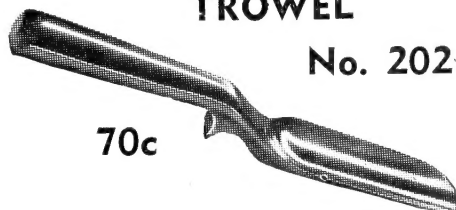
Markle Featherlite Polished Tools

GARDEN TROWEL

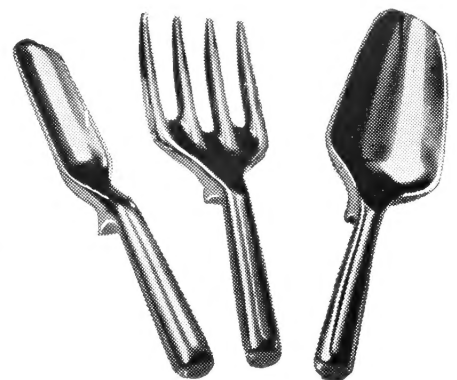


75c

TRANSPLANTING TROWEL



70c

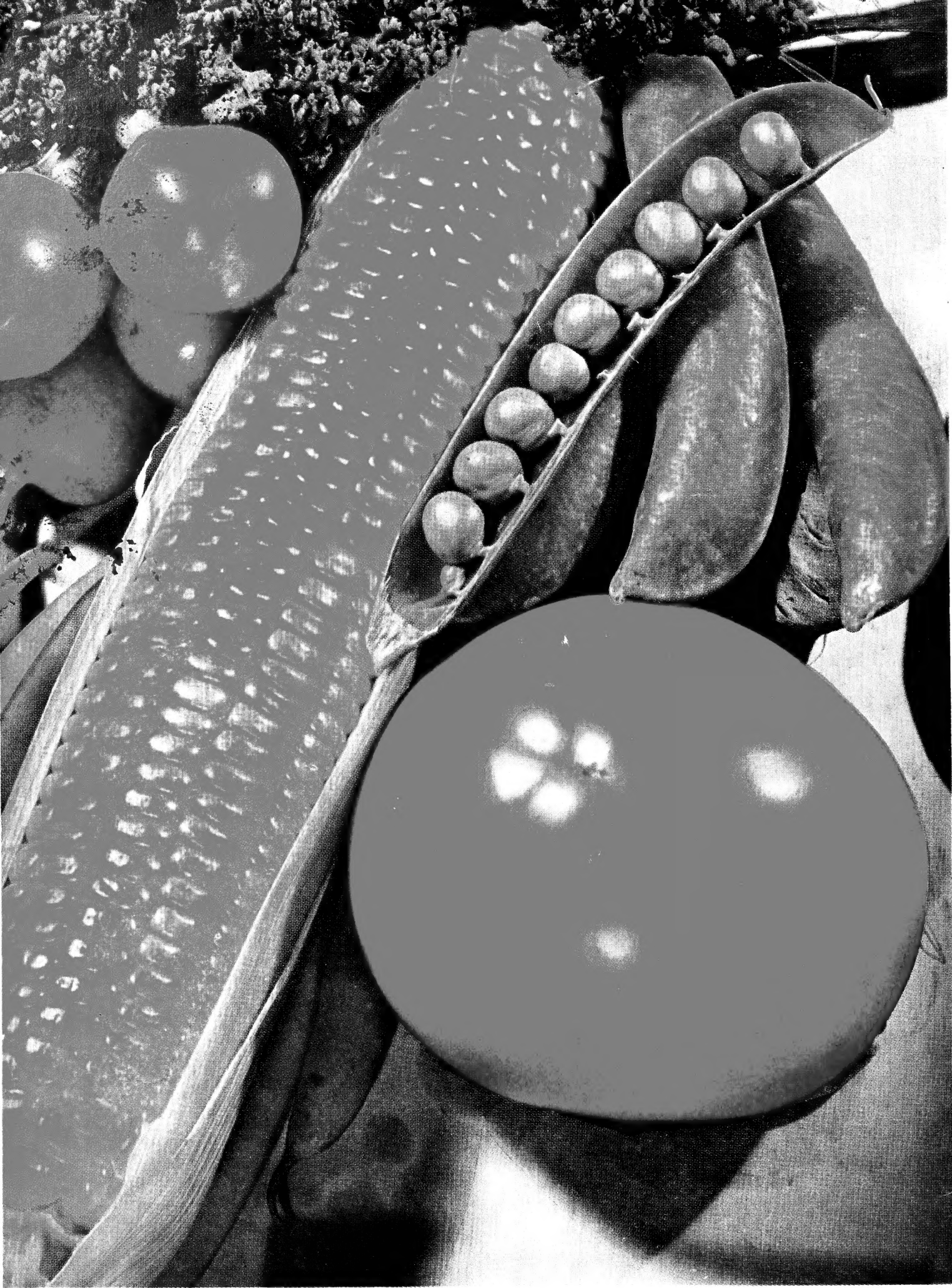


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